

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057891.D
 Acq On : 11 Sep 2019 1:52
 Operator : JC/SP
 Sample : K4818-06MSD
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:22 AM

Quant Time: Sep 11 05:15:18 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	317249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	549368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	516054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	346148	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	7.57	113	257234	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.09	98	1005757	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.40	95	372539	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	222046	50.610	ug/l	98
3) Chloromethane	2.03	50	210170	47.000	ug/l	99
4) Vinyl Chloride	2.16	62	222260	46.963	ug/l	99
5) Bromomethane	2.52	94	87902m	33.290	ug/l	
6) Chloroethane	2.67	64	137177	45.487	ug/l	100
7) Trichlorofluoromethane	2.99	101	270591	45.433	ug/l	98
8) Diethyl Ether	3.39	74	128414	51.694	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	166258	44.251	ug/l	97
10) Methyl Iodide	3.93	142	151060	36.130	ug/l	99
11) Tert butyl alcohol	4.77	59	230500	296.384	ug/l	100
12) 1,1-Dichloroethene	3.71	96	162595	48.132	ug/l	98
13) Acrolein	3.58	56	137257	208.028	ug/l	100
14) Allyl chloride	4.29	41	319983	48.401	ug/l	100
15) Acrylonitrile	4.96	53	573114	268.111	ug/l	100
16) Acetone	3.80	43	507021	240.701	ug/l	98
17) Carbon Disulfide	4.03	76	258129	49.098	ug/l	99
18) Methyl Acetate	4.30	43	292593	52.096	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	851183	60.545	ug/l	99
20) Methylene Chloride	4.53	84	222541	55.634	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	177674	48.654	ug/l	97
22) Diisopropyl ether	5.93	45	824650	53.191	ug/l	98
23) Vinyl Acetate	5.87	43	2922544	265.992	ug/l	100
24) 1,1-Dichloroethane	5.82	63	435067	51.347	ug/l	100
25) 2-Butanone	6.82	43	799369	262.195	ug/l	99
26) 2,2-Dichloropropane	6.81	77	258651	38.573	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	247686	50.612	ug/l	98
28) Bromochloromethane	7.18	49	221575	52.344	ug/l	96
29) Tetrahydrofuran	7.19	42	502073	267.251	ug/l	100
30) Chloroform	7.36	83	449452	50.732	ug/l	99
31) Cyclohexane	7.64	56	277523	47.973	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	354089	50.394	ug/l	99
36) 1,1-Dichloropropene	7.78	75	279531	43.874	ug/l	99
37) Ethyl Acetate	6.91	43	300246	45.612	ug/l	99
38) Carbon Tetrachloride	7.76	117	271906	46.744	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	262547	39.200	ug/l	100
40) Benzene	8.03	78	916979	47.805	ug/l	99
41) Methacrylonitrile	7.15	41	148922	49.839	ug/l	98
42) 1,2-Dichloroethane	8.11	62	372845	48.602	ug/l	99
43) Isopropyl Acetate	8.15	43	547009	49.414	ug/l	100
44) Trichloroethene	8.82	130	218973	46.544	ug/l	94
45) 1,2-Dichloropropane	9.11	63	274489	49.178	ug/l	98
46) Dibromomethane	9.20	93	166806	49.456	ug/l	99
47) Bromodichloromethane	9.40	83	340930	50.619	ug/l	96
48) Methyl methacrylate	9.19	41	278899	49.667	ug/l	100
49) 1,4-Dioxane	9.19	88	88071	927.446	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1761217	268.855	ug/l	100
52) Toluene	10.15	92	589805	48.820	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	354792	50.023	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	383625	48.991	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	257497	50.317	ug/l	99
56) Ethyl methacrylate	10.43	69	401299	52.073	ug/l	99
57) 1,3-Dichloropropane	10.71	76	436778	49.525	ug/l	99
59) 2-Hexanone	10.75	43	1315187	267.854	ug/l	100
60) Dibromochloromethane	10.90	129	246059	51.779	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243876	50.408	ug/l	100
64) Tetrachloroethene	10.63	164	162575	42.667	ug/l	99
65) Chlorobenzene	11.43	112	652222	48.293	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	241958	51.631	ug/l	99
67) Ethyl Benzene	11.51	91	1186014	50.109	ug/l	100
68) m/p-Xylenes	11.62	106	870691	100.427	ug/l	99
69) o-Xylene	11.95	106	447325	51.899	ug/l	98
70) Styrene	11.97	104	778724	52.498	ug/l	99
71) Bromoform	12.13	173	156211	53.465	ug/l #	98
73) Isopropylbenzene	12.25	105	1299617	52.433	ug/l	100
74) N-amyl acetate	12.07	43	555984	51.542	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	392465	47.027	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	348047m	48.167	ug/l	
77) Bromobenzene	12.53	156	310273	50.208	ug/l	90
78) n-propylbenzene	12.59	91	1599298	56.190	ug/l	100
79) 2-Chlorotoluene	12.68	91	839880	46.689	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1054186	50.336	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	95267	46.395	ug/l	98
82) 4-Chlorotoluene	12.78	91	881475	47.716	ug/l	100
83) tert-Butylbenzene	13.00	119	892683	47.952	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1185695	55.705	ug/l	99
85) sec-Butylbenzene	13.18	105	1268497	51.410	ug/l	99
86) p-Isopropyltoluene	13.29	119	1094369	50.337	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	549743	48.466	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	551475	47.897	ug/l	100
89) n-Butylbenzene	13.62	91	1056184	51.443	ug/l	98
90) Hexachloroethane	13.88	117	187583	58.016	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	554928	48.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73085	53.029	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	369751	49.920	ug/l #	92

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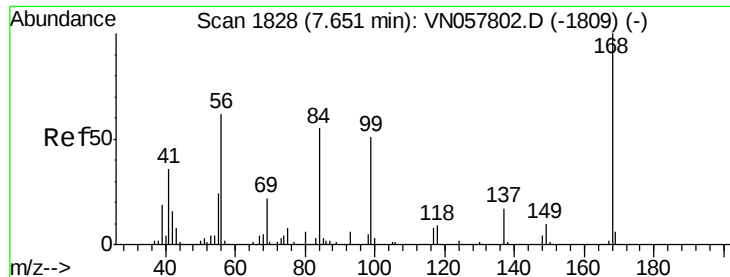
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	150527	47.942	ug/l	97
95) Naphthalene	15.13	128	3227860	176.600	ug/l	96
96) 1,2,3-Trichlorobenzene	15.30	180	366422	56.534	ug/l #	91

(#) = 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-9-9.0-091019MSD

Tgt Ion: 168 Resp: 317249

Ion Ratio Lower Upper

168 100

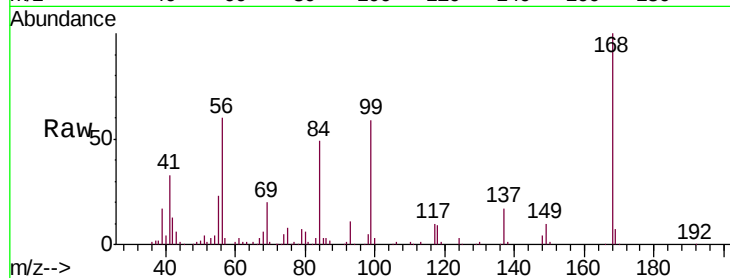
99 59.1 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

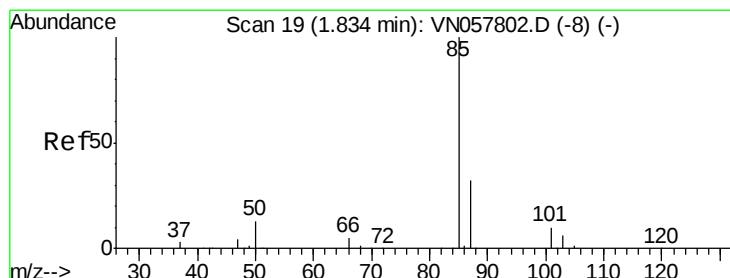
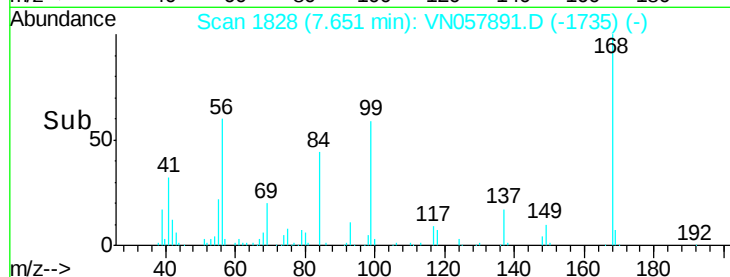
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.610 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057891.D

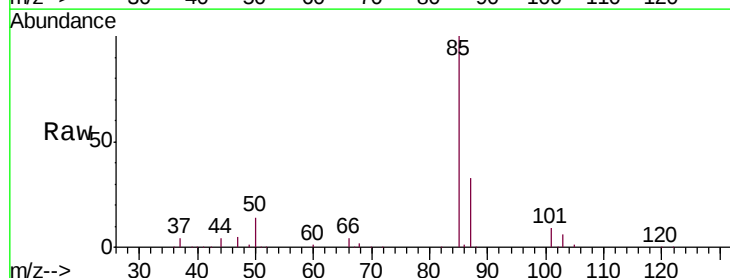
Acq: 11 Sep 2019 1:52

Tgt Ion: 85 Resp: 222046

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

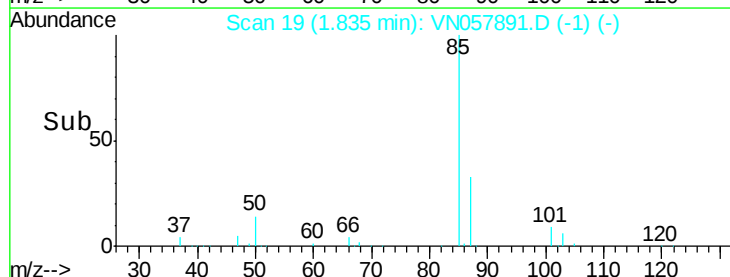
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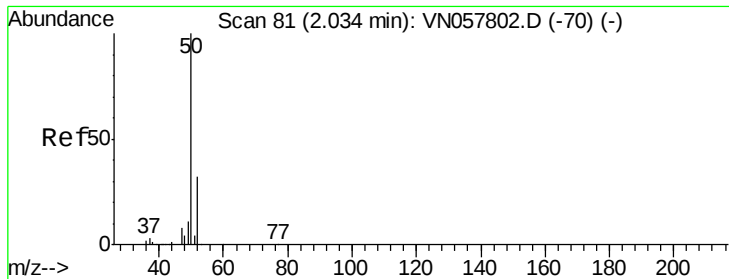
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.000 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 50 Resp: 210170

Ion Ratio Lower Upper

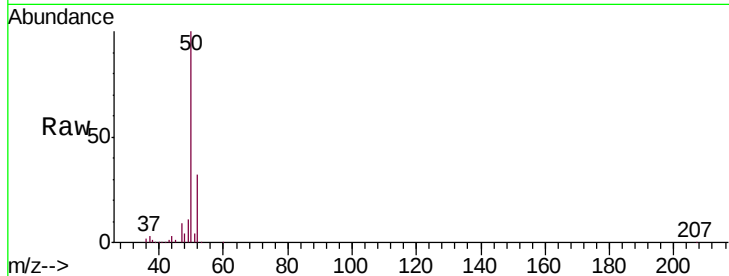
50 100

52 32.4 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

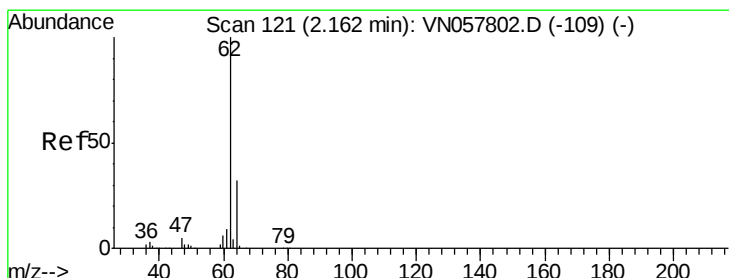
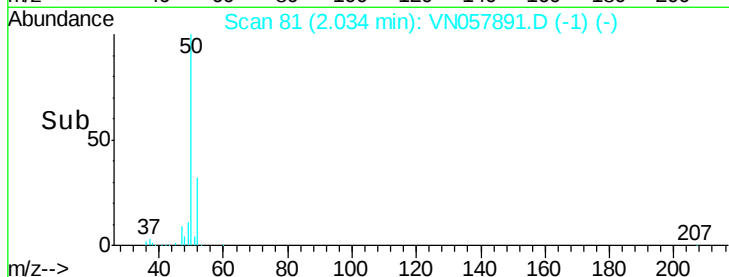
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 46.963 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057891.D

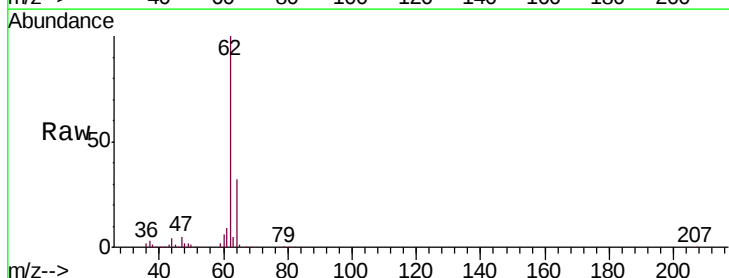
Acq: 11 Sep 2019 1:52

Tgt Ion: 62 Resp: 222260

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

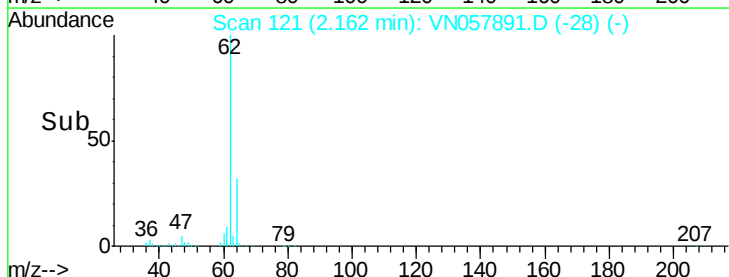
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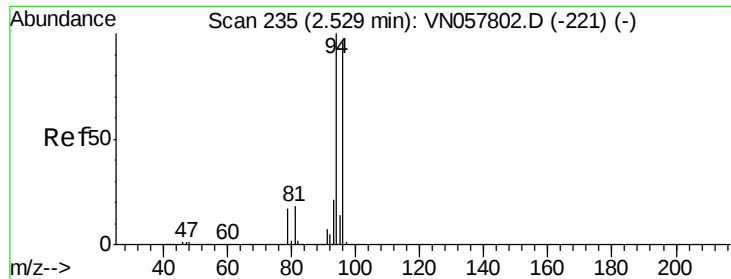
100000

50000

0

Time--> 2.10 2.20 2.30





#5

Bromomethane

Concen: 33.290 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

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T11-MW-9-9.0-091019MSD

Tgt Ion: 94 Resp: 87902

Ion Ratio Lower Upper

94 100

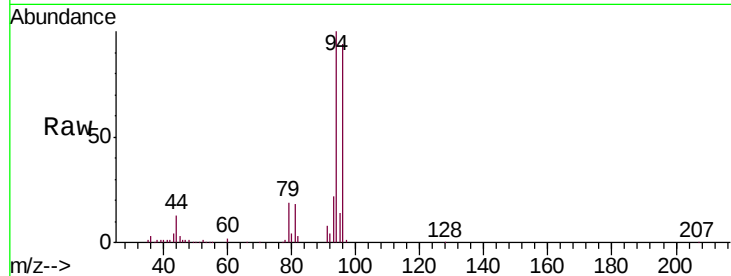
96 93.8 77.0 115.4

Manual Integrations

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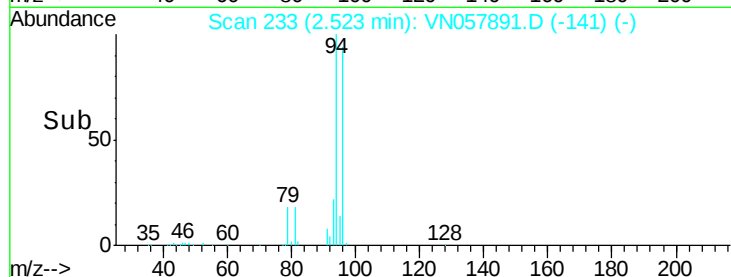


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

Time-->

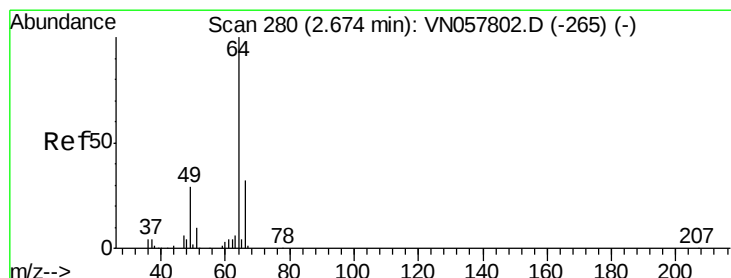


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->



#6

Chloroethane

Concen: 45.487 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN057891.D

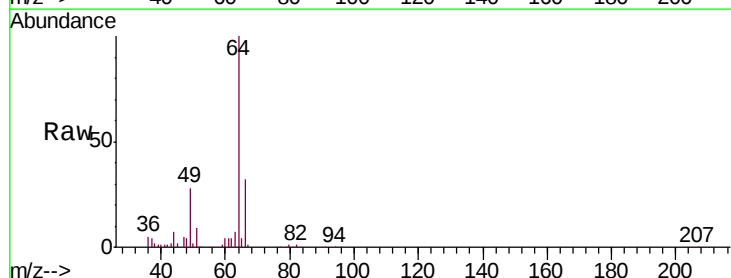
Acq: 11 Sep 2019 1:52

Tgt Ion: 64 Resp: 137177

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3

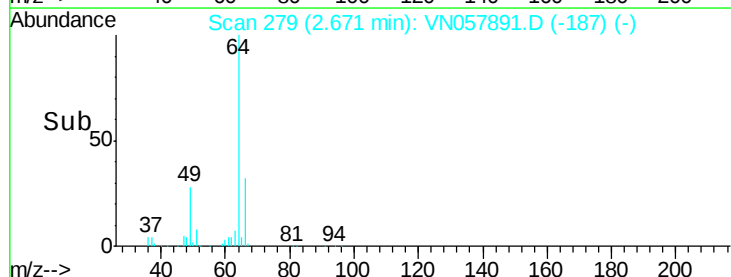


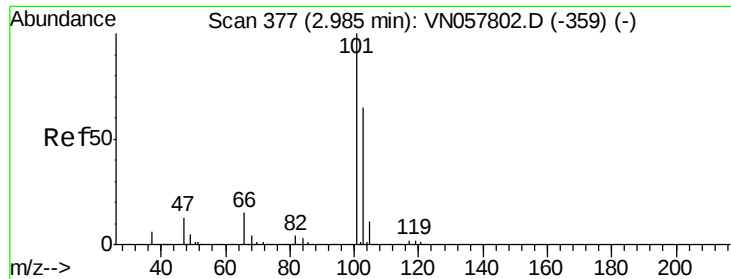
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

Time-->





#7

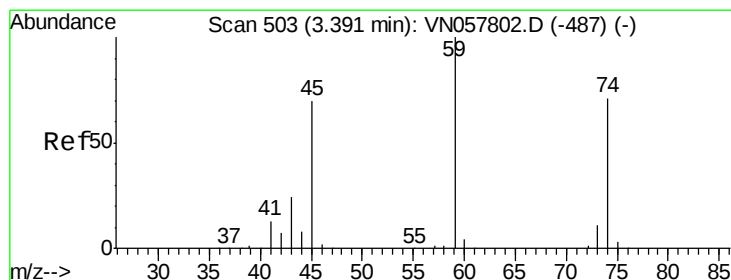
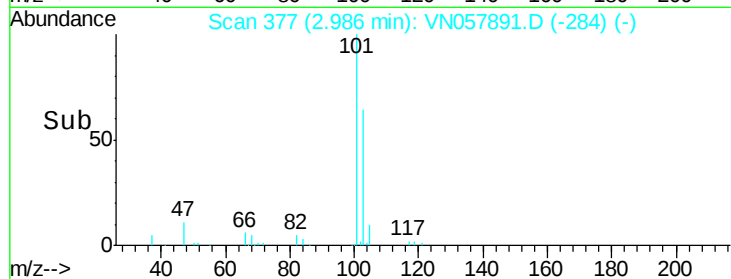
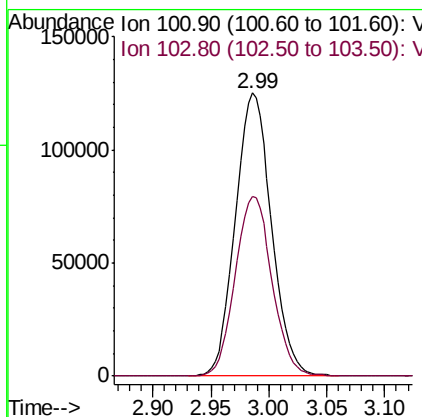
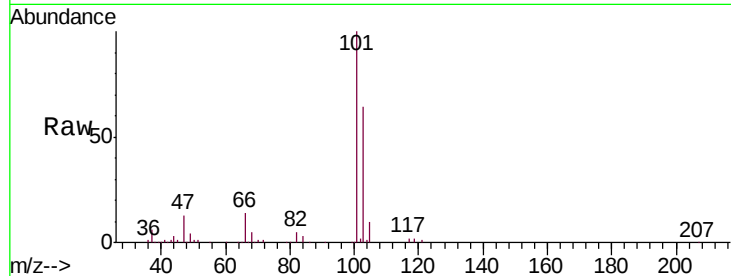
Trichlorofluoromethane
 Concen: 45.433 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	270591		
103	63.7	51.9	77.9	

Manual Integrations
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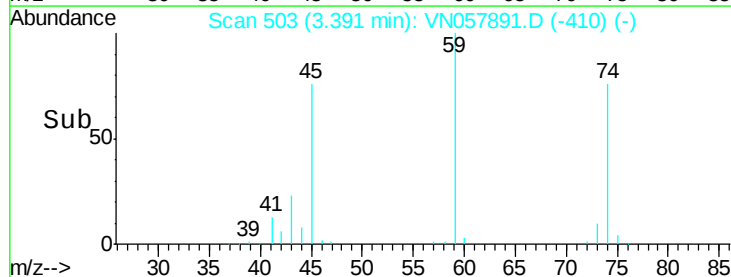
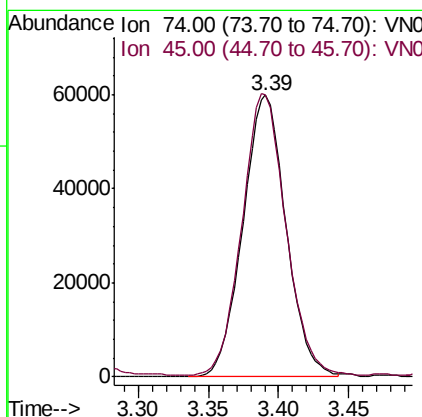
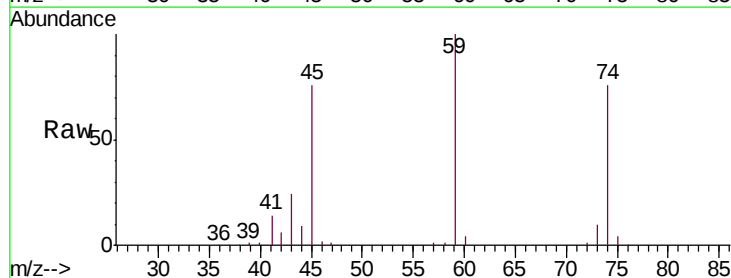
MMDadoda
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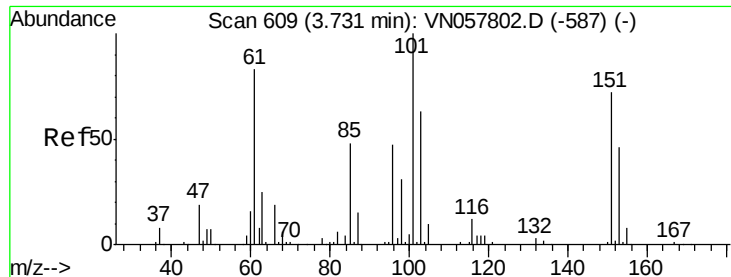


#8

Diethyl Ether
 Concen: 51.694 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	128414		
45	101.1	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.251 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

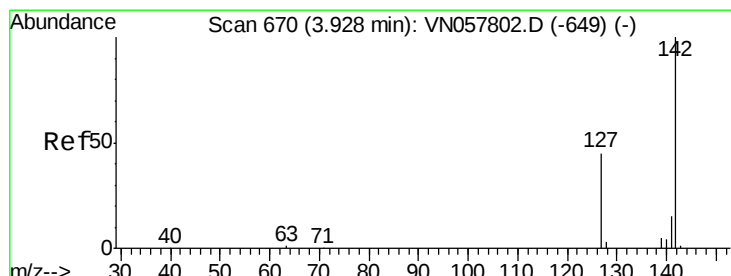
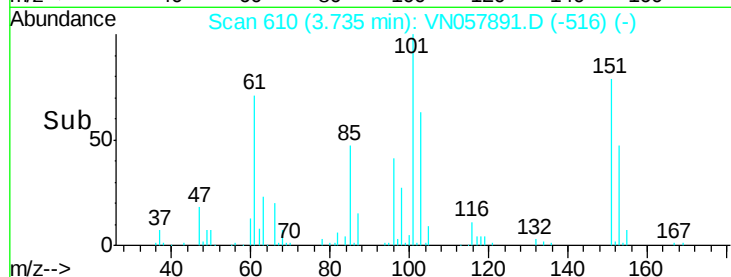
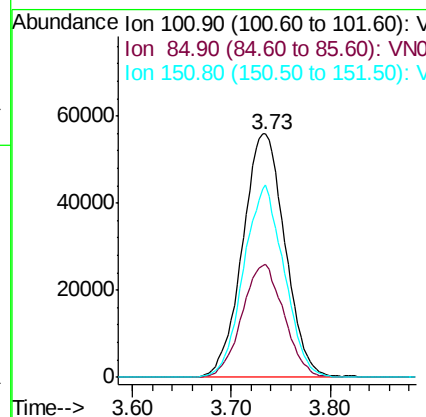
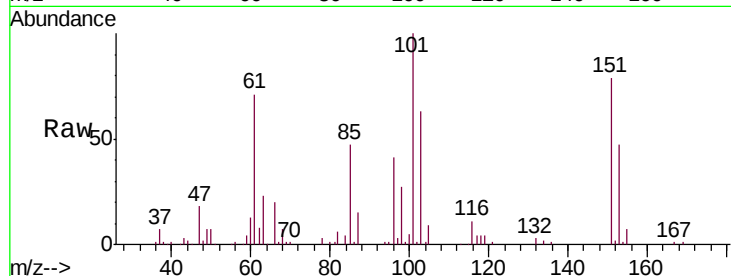
ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion:	101	Resp:	166258
Ion Ratio	Lower	Upper	
101	100		
85	45.8	38.1	57.1
151	75.4	58.4	87.6

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#10

Methyl Iodide

Concen: 36.130 ug/l

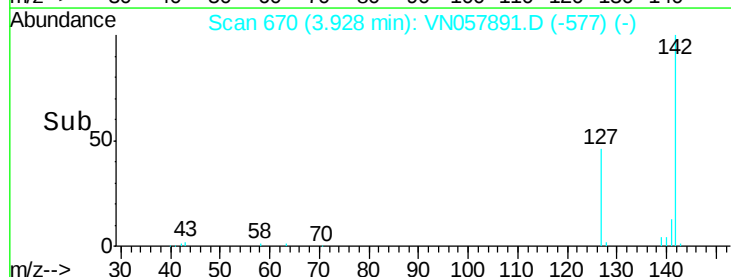
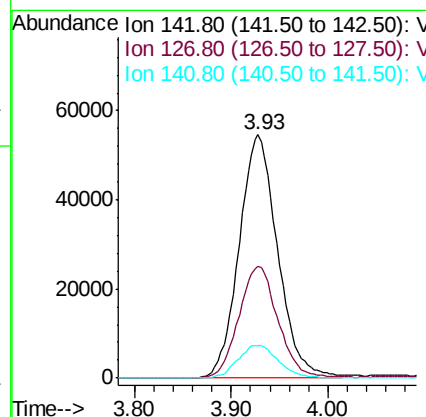
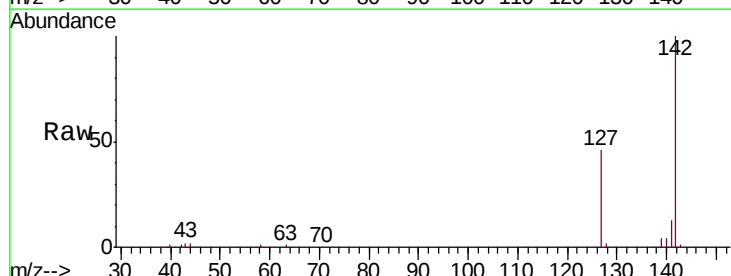
RT: 3.93 min Scan# 670

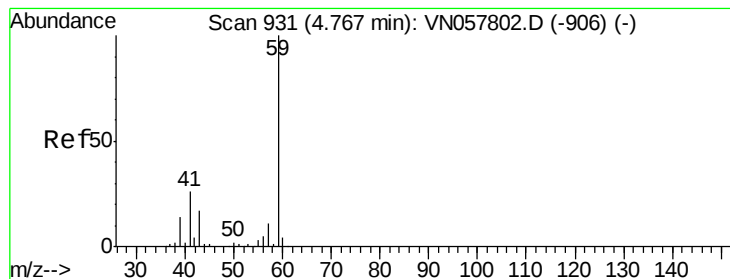
Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Tgt Ion:	142	Resp:	151060
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.7	55.1
141	14.2	11.4	17.0





#11

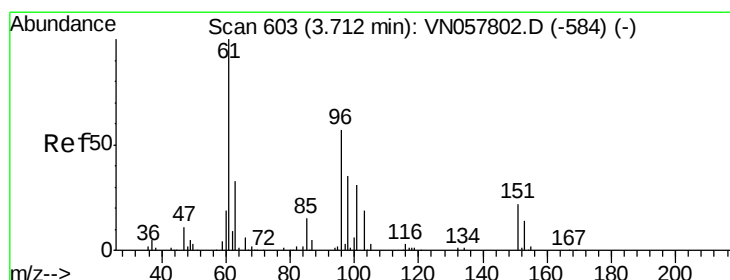
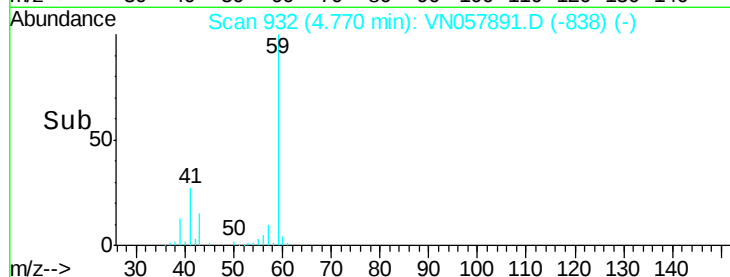
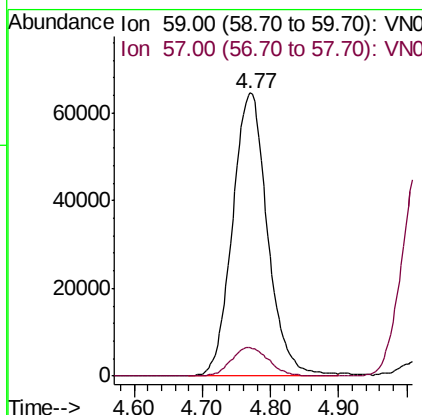
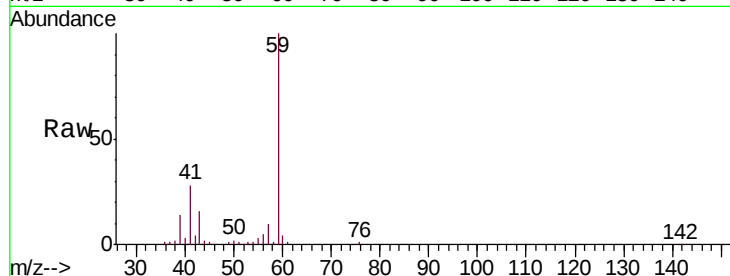
Tert butyl alcohol
 Concen: 296.384 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	230500		
57	10.7		8.4	12.6

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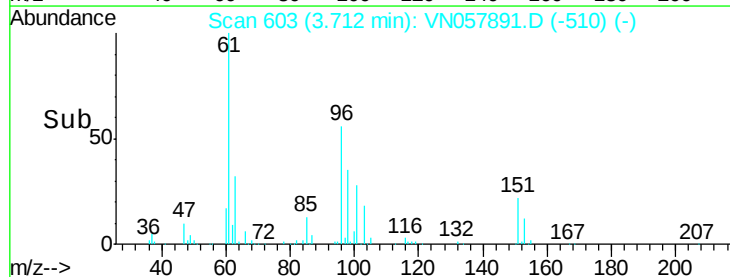
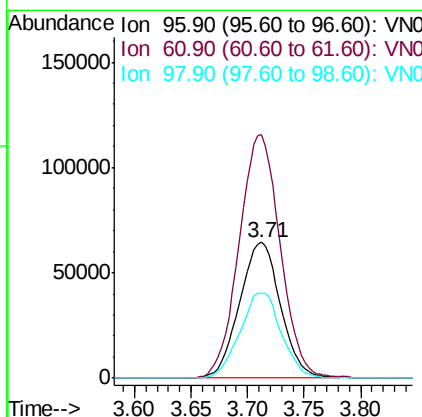
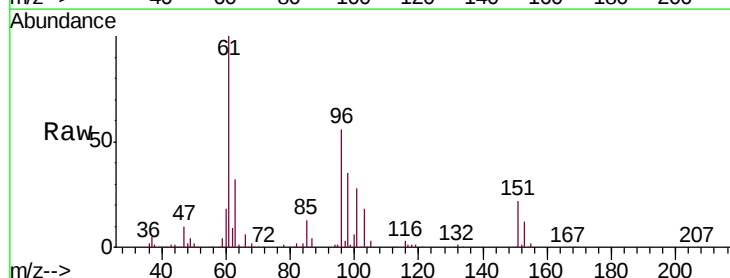
MMDadoda
 9/13/2019 7:06:22 AM

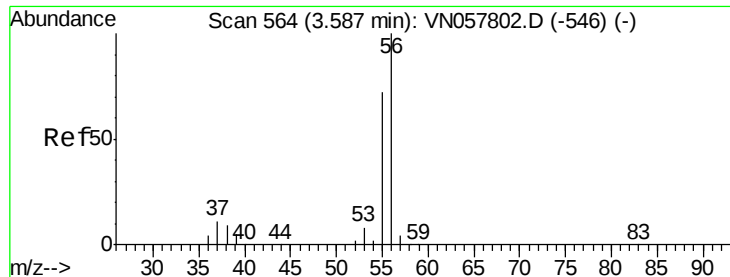


#12

1,1-Dichloroethene
 Concen: 48.132 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	162595		
61	179.7		141.2	211.8
98	63.1		49.9	74.9





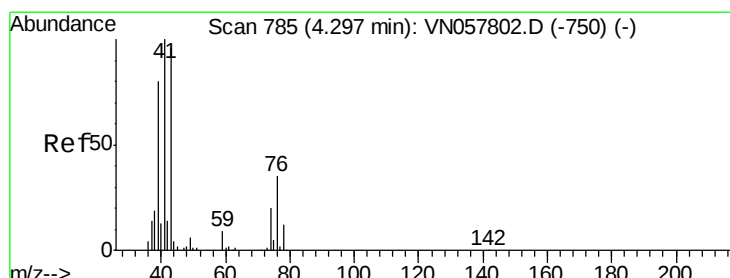
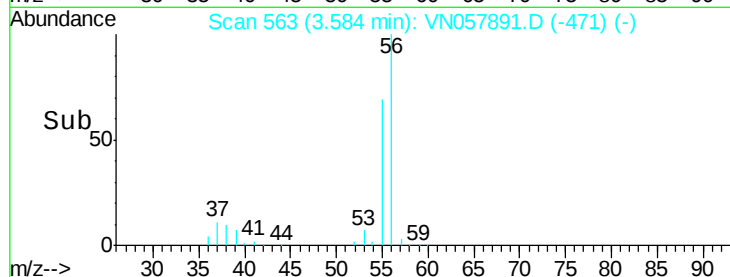
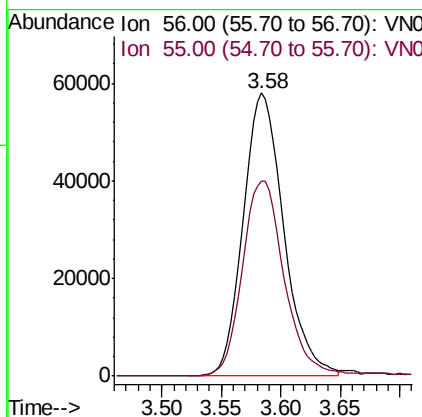
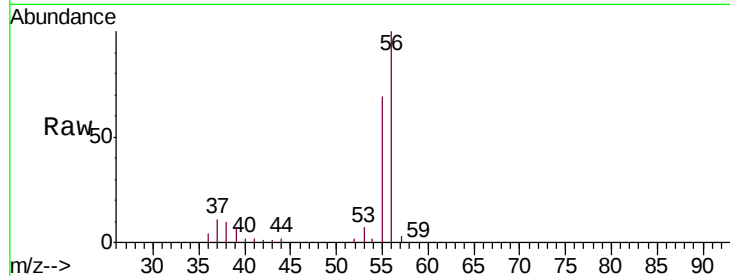
#13
Acrolein
Concen: 208.028 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.3	57.3	85.9

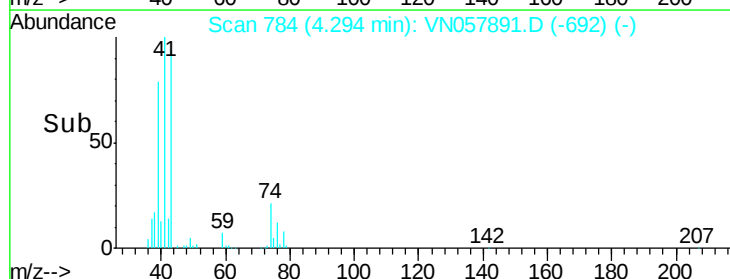
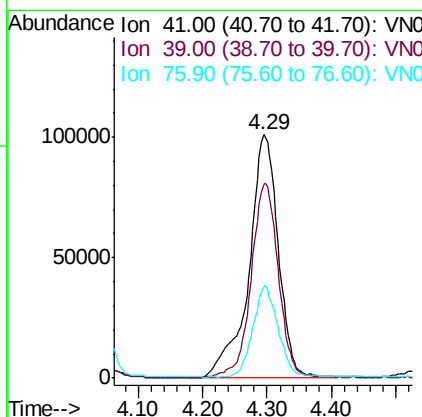
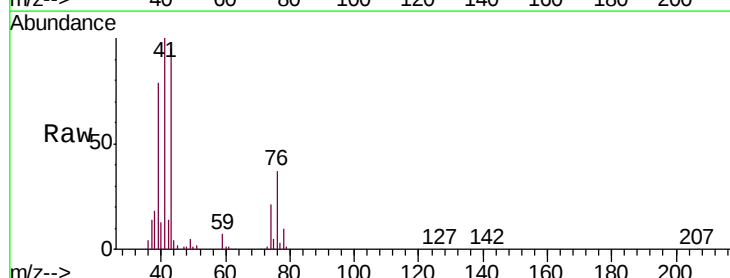
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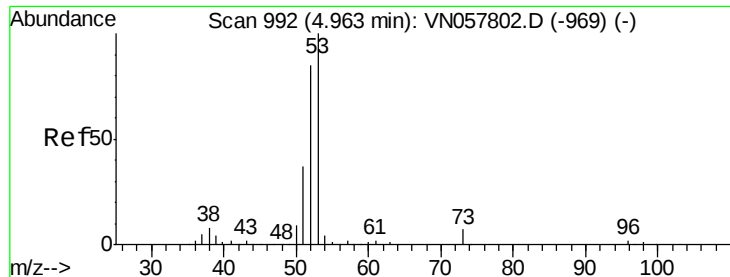
MMDadoda
9/13/2019 7:06:22 AM



#14
Allyl chloride
Concen: 48.401 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.4	59.4	89.2
76	32.2	26.0	39.0





#15

Acrylonitrile

Concen: 268.111 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

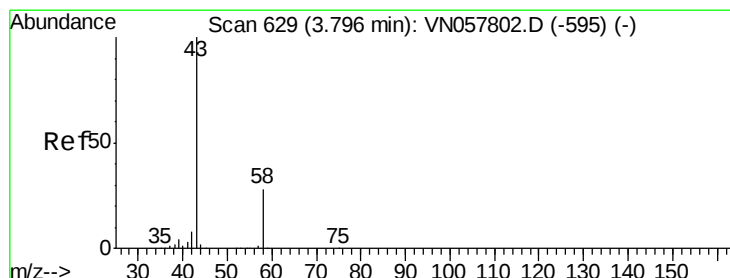
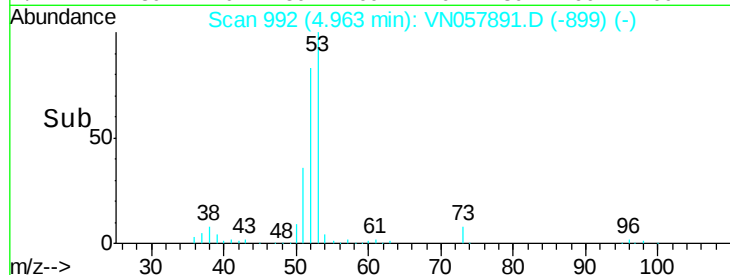
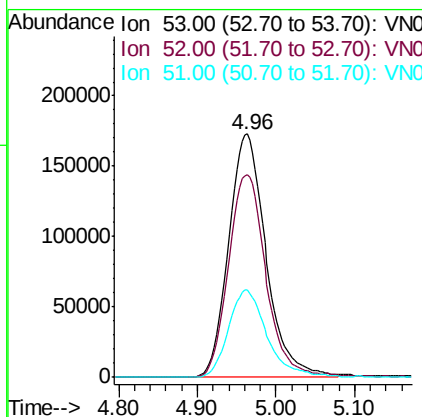
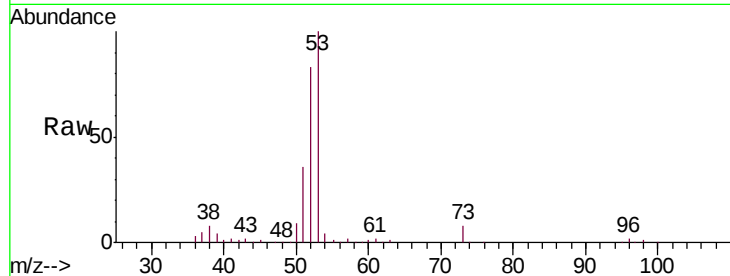
ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion:	53	Resp:	573114
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	37.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 240.701 ug/l

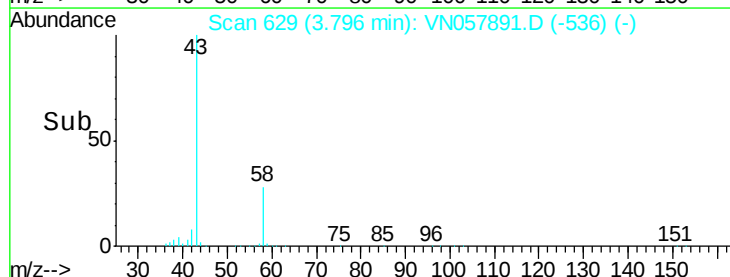
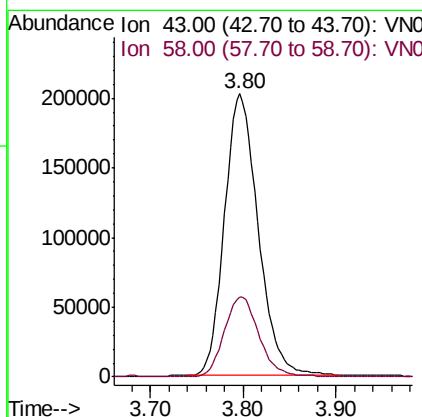
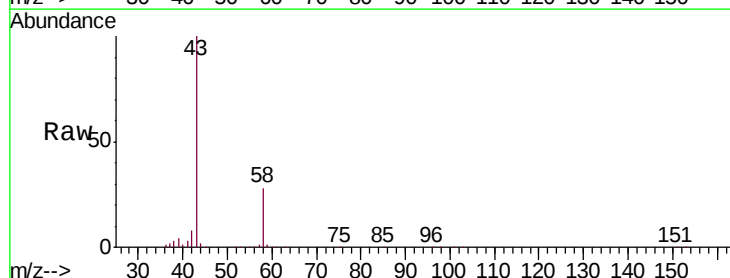
RT: 3.80 min Scan# 629

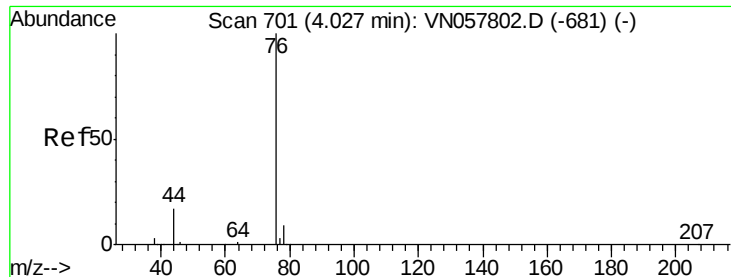
Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Tgt Ion:	43	Resp:	507021
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.2	33.2





#17

Carbon Disulfide

Concen: 49.098 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 76 Resp: 258129

Ion Ratio Lower Upper

76 100

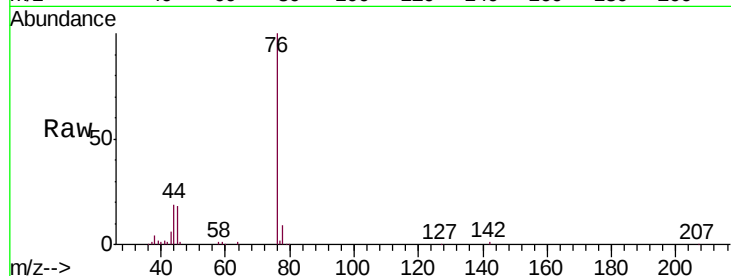
78 9.3 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN057802.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN057802.D (-681) (-)

4.03

100000

80000

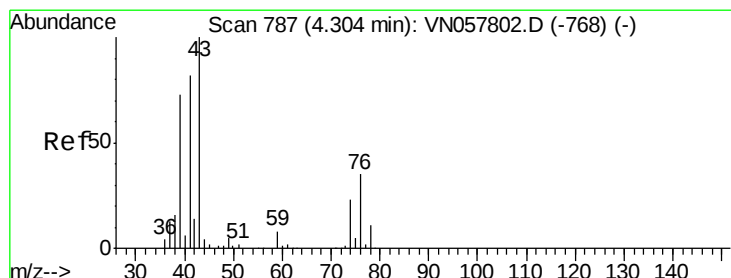
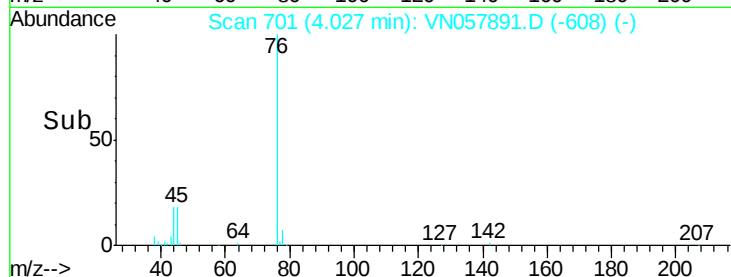
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 52.096 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN057891.D

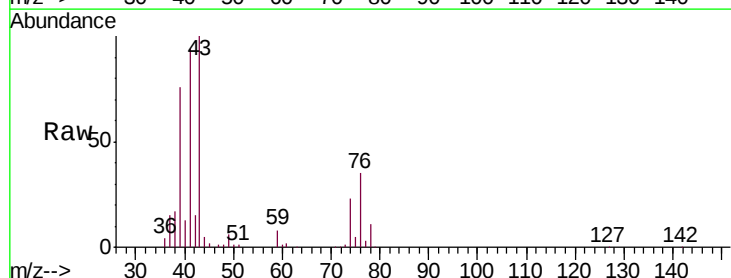
Acq: 11 Sep 2019 1:52

Tgt Ion: 43 Resp: 292593

Ion Ratio Lower Upper

43 100

74 22.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN057802.D (-768) (-)

4.30

120000

100000

80000

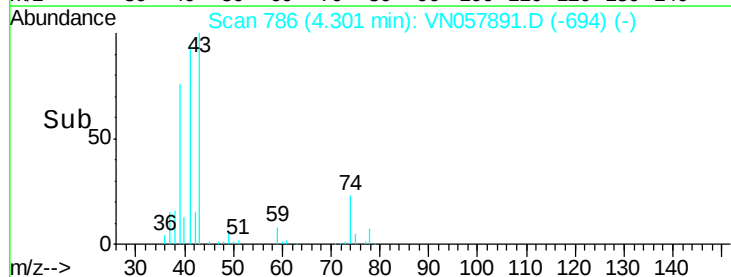
60000

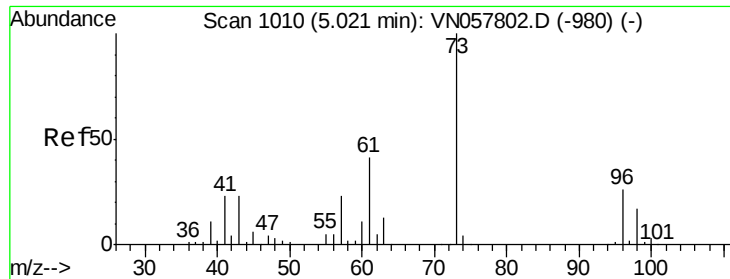
40000

20000

0

Time-->





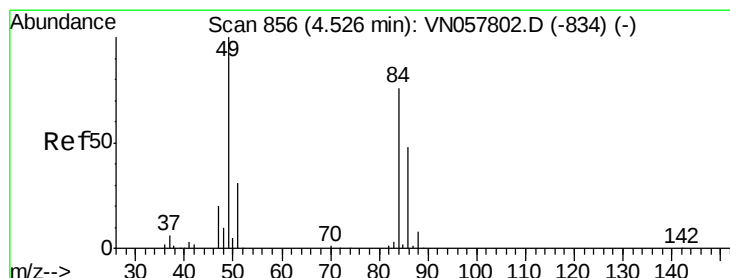
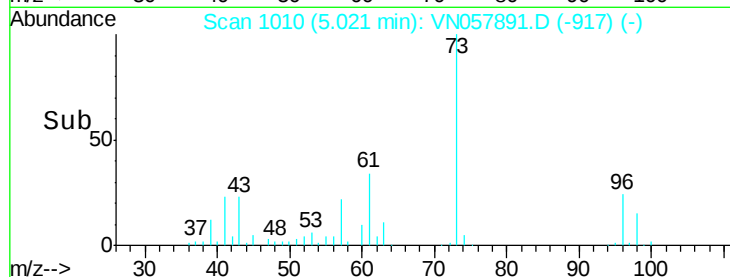
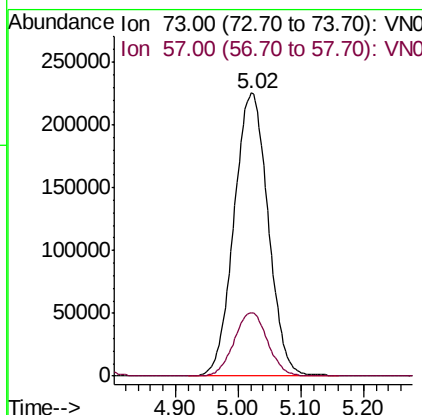
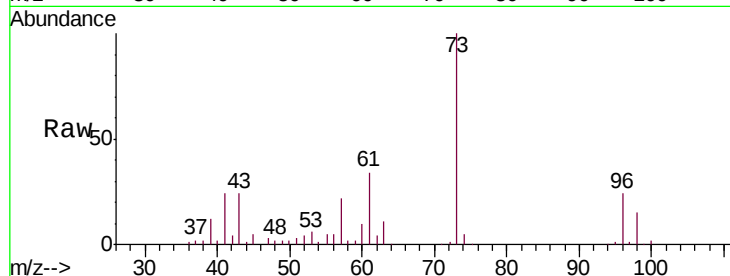
#19
Methyl tert-butyl Ether
Concen: 60.545 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion: 73 Resp: 851183
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

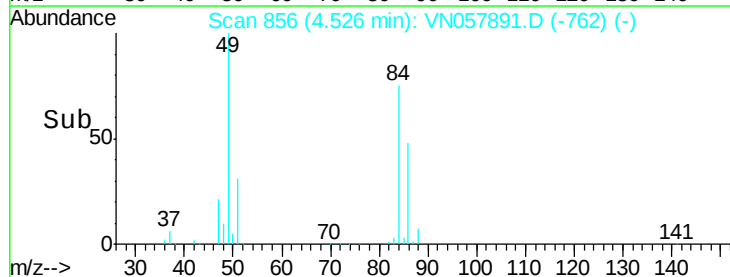
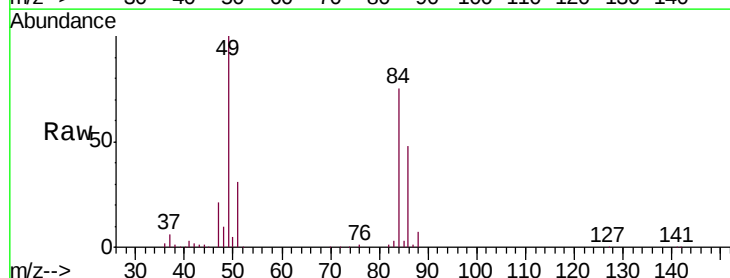
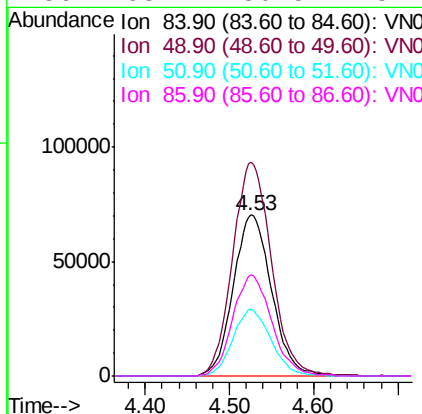
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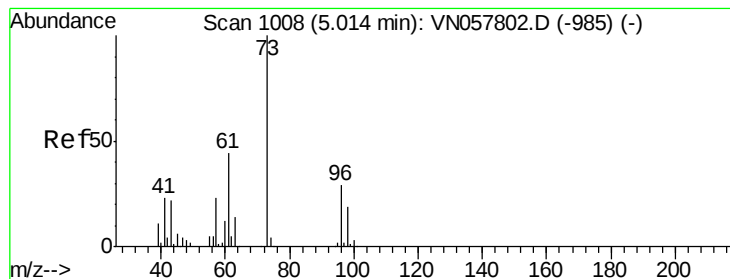
MMDadoda
9/13/2019 7:06:22 AM



#20
Methylene Chloride
Concen: 55.634 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 84 Resp: 222541
Ion Ratio Lower Upper
84 100
49 132.6 104.8 157.2
51 41.7 33.0 49.4
86 63.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 48.654 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

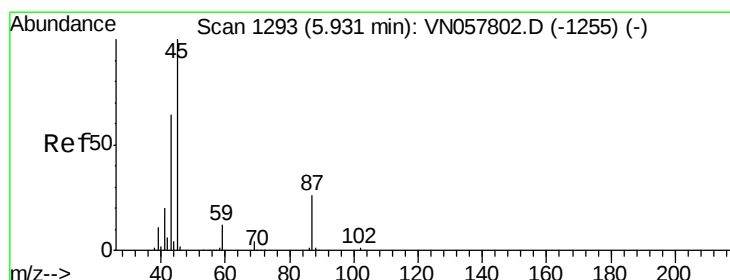
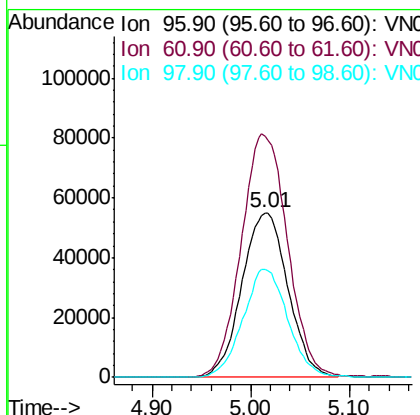
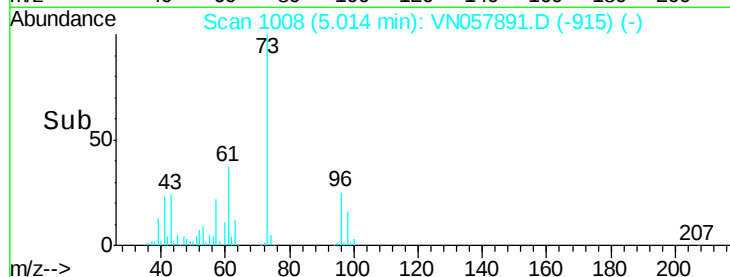
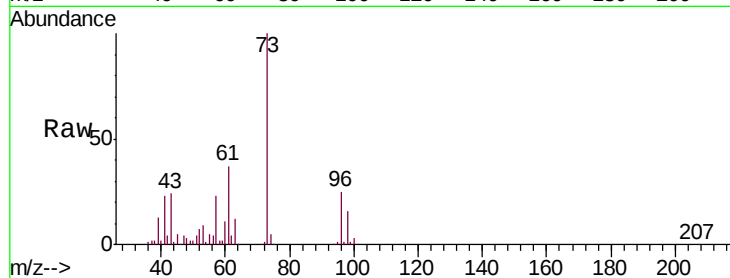
ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion:	96	Resp:	177674
Ion	Ratio	Lower	Upper
96	100		
61	146.3	121.9	182.9
98	65.2	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.191 ug/l

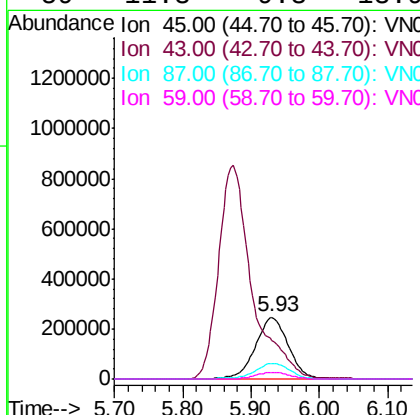
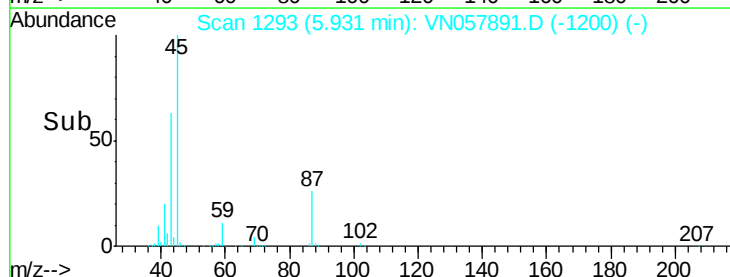
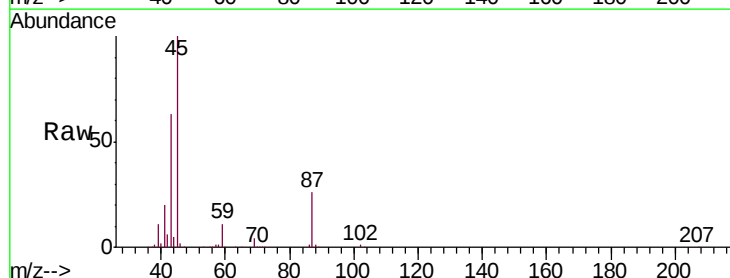
RT: 5.93 min Scan# 1293

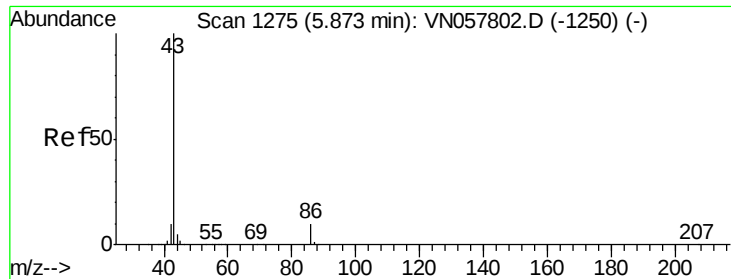
Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Tgt Ion:	45	Resp:	824650
Ion	Ratio	Lower	Upper
45	100		
43	62.5	51.4	77.2
87	25.6	21.3	31.9
59	11.3	9.3	13.9





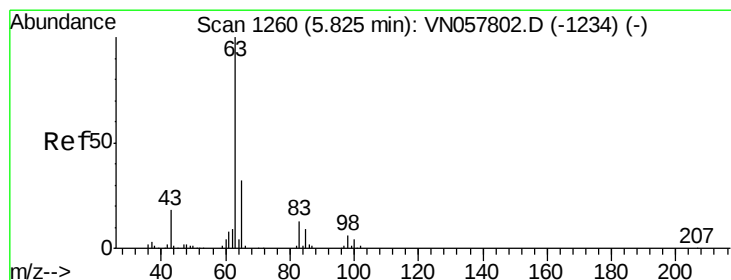
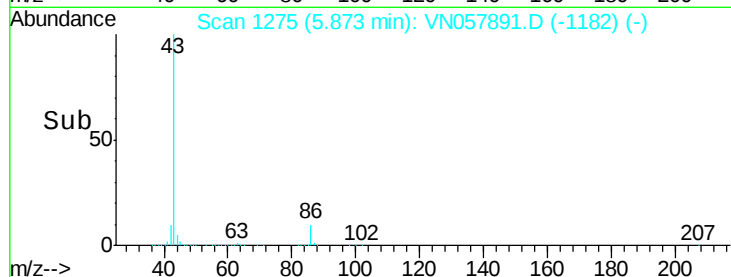
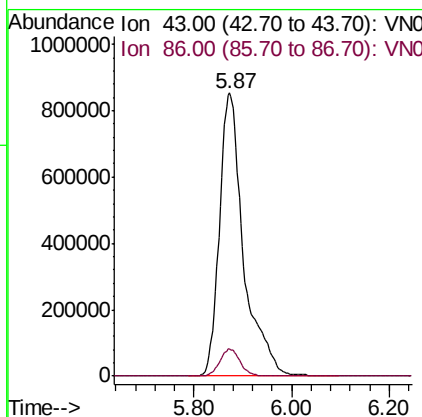
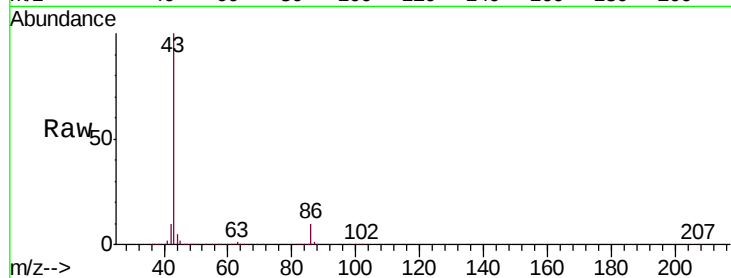
#23
 Vinyl Acetate
 Concen: 265.992 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion: 43 Resp: 2922544
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5

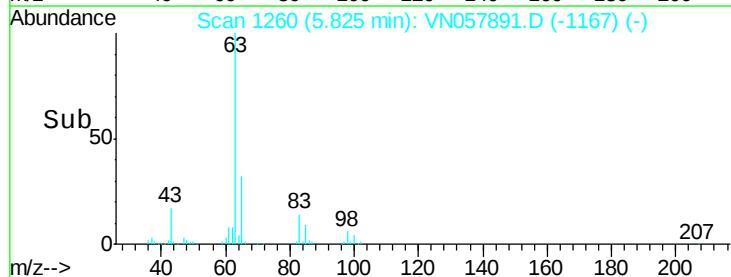
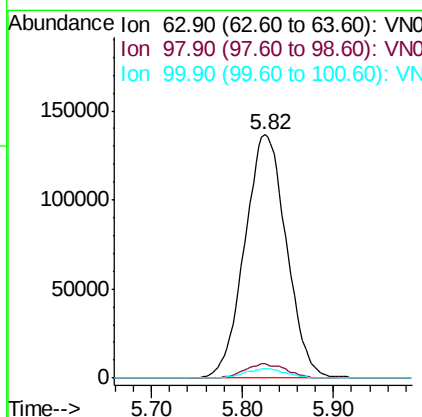
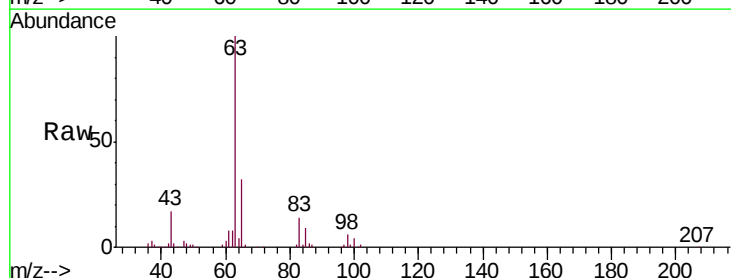
Manual Integrations
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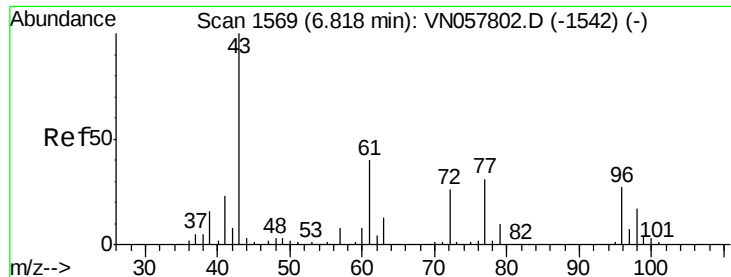
MMDadoda
 9/13/2019 7:06:22 AM



#24
 1,1-Dichloroethane
 Concen: 51.347 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 63 Resp: 435067
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 3.8 2.0 5.8





#25

2-Butanone

Concen: 262.195 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 43 Resp: 799369

Ion Ratio Lower Upper

43 100

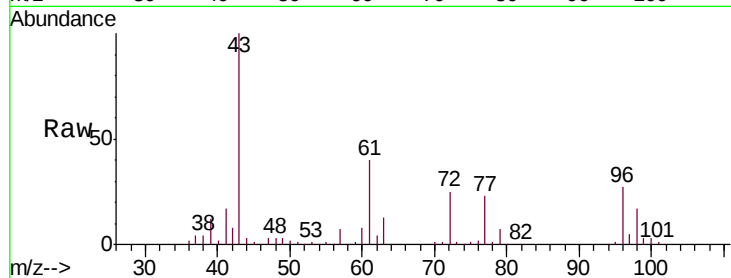
72 25.0 20.6 30.8

Manual Integrations

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MMDadoda

9/13/2019 7:06:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN057802.D (-1542) (-)

6.82

300000

250000

200000

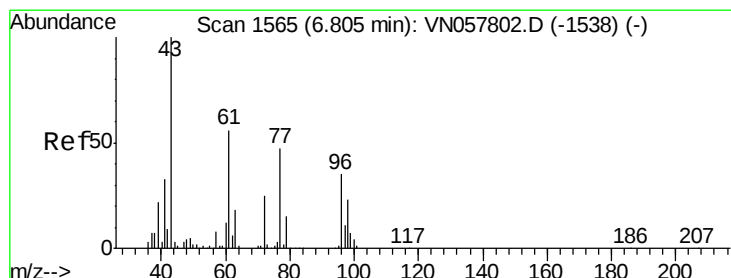
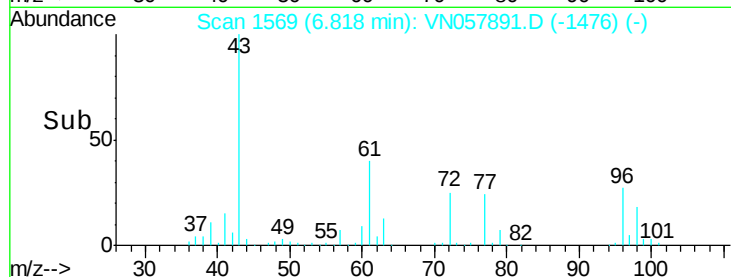
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 38.573 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057891.D

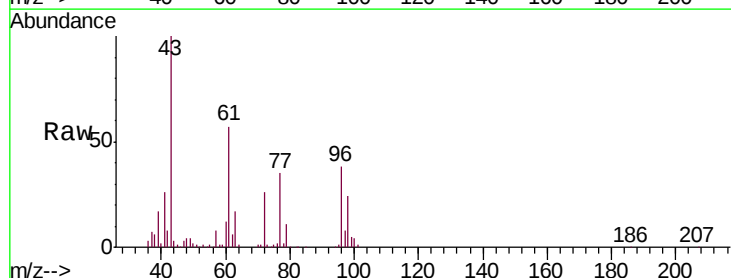
Acq: 11 Sep 2019 1:52

Tgt Ion: 77 Resp: 258651

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN057802.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN057802.D (-1538) (-)

6.81

80000

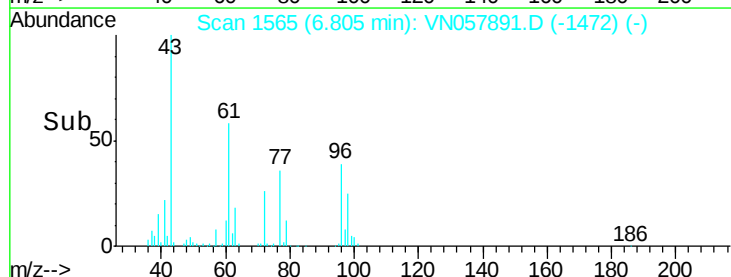
60000

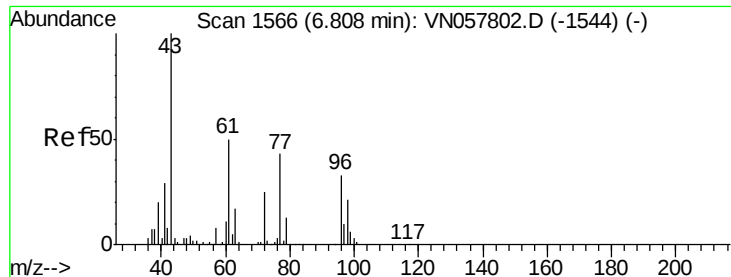
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.612 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

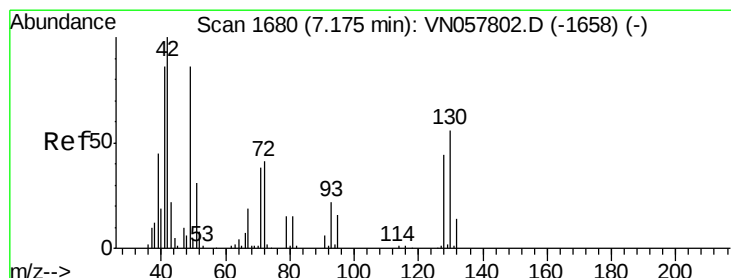
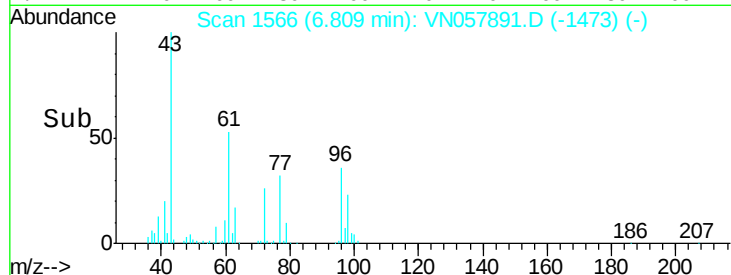
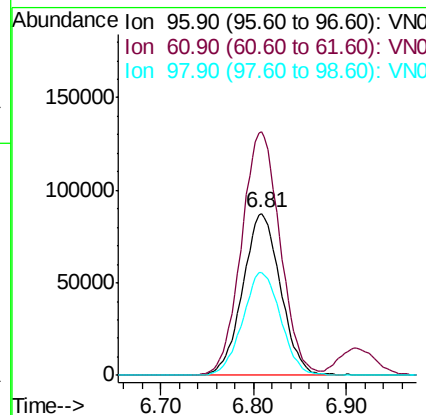
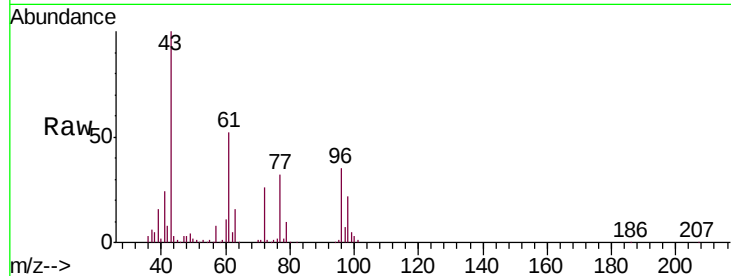
ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion:	96	Resp:	247686
Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	314.0
98	64.3	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 52.344 ug/l

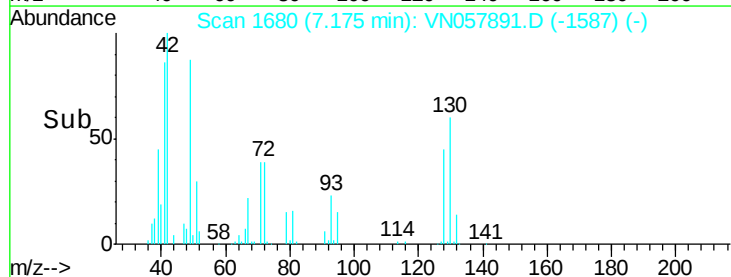
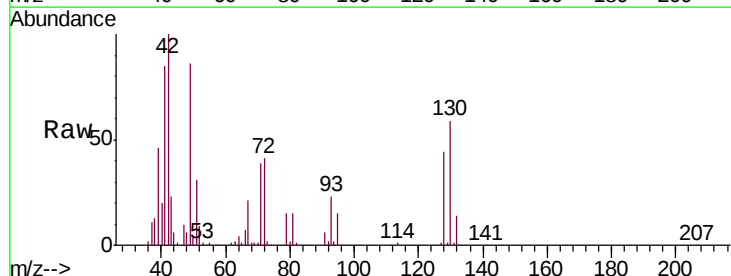
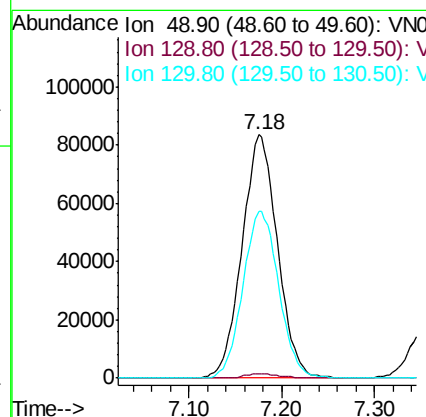
RT: 7.18 min Scan# 1680

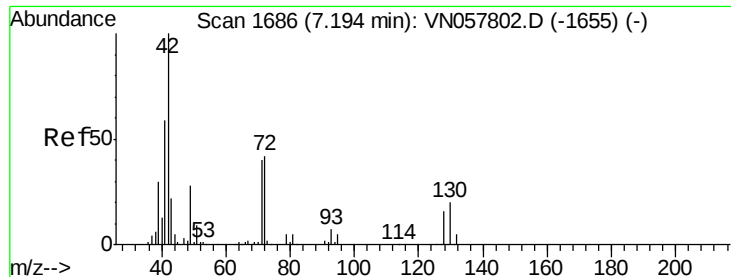
Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Tgt Ion:	49	Resp:	221575
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	69.3	53.0	79.6





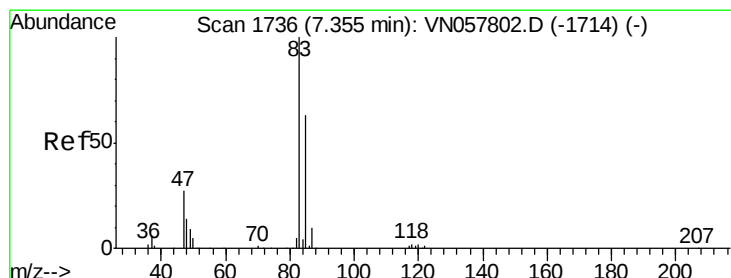
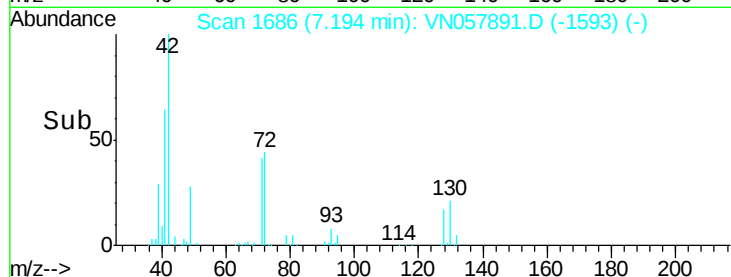
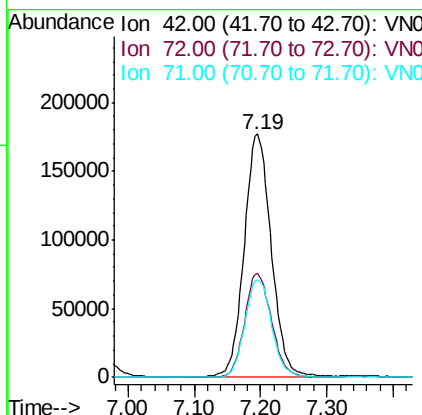
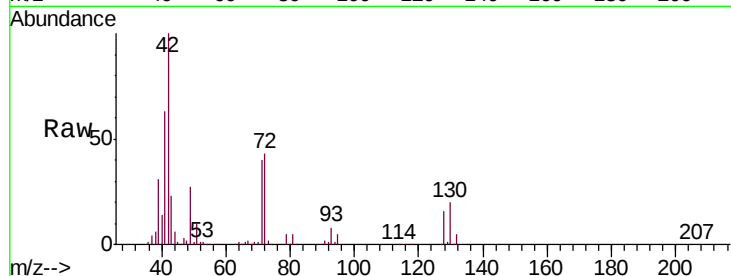
#29
Tetrahydrofuran
Concen: 267.251 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.7	50.5
71	39.6	31.9	47.9

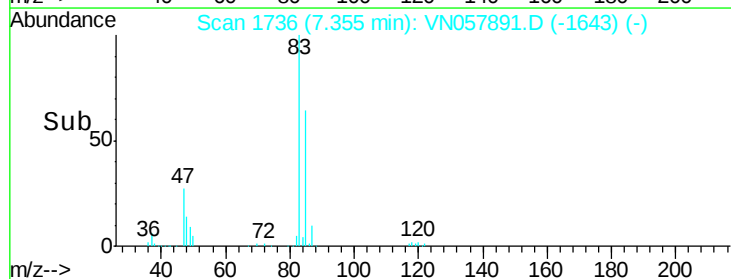
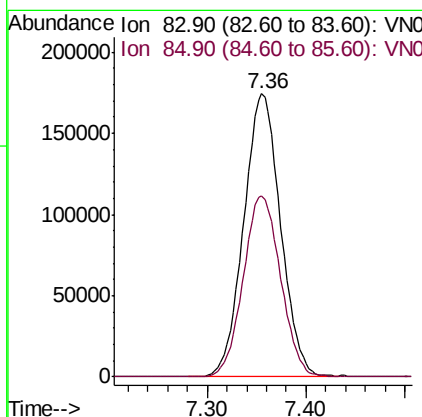
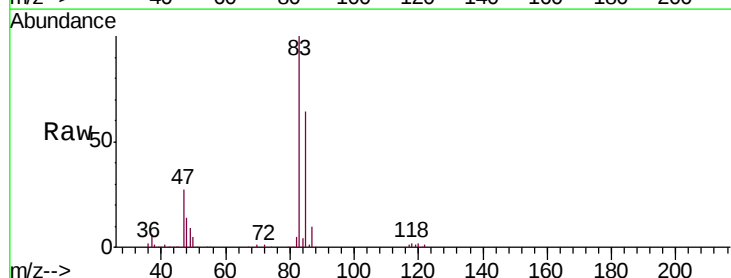
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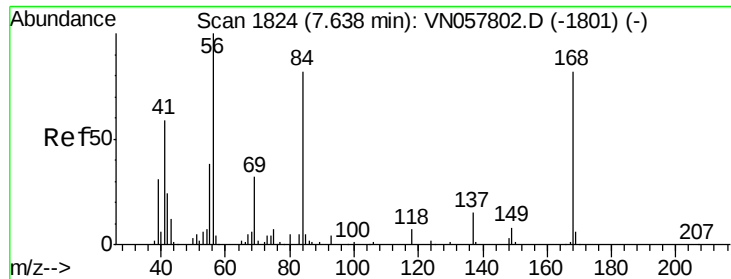
MMDadoda
9/13/2019 7:06:22 AM



#30
Chloroform
Concen: 50.732 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8





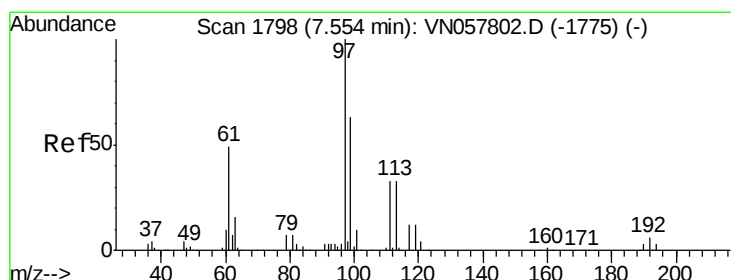
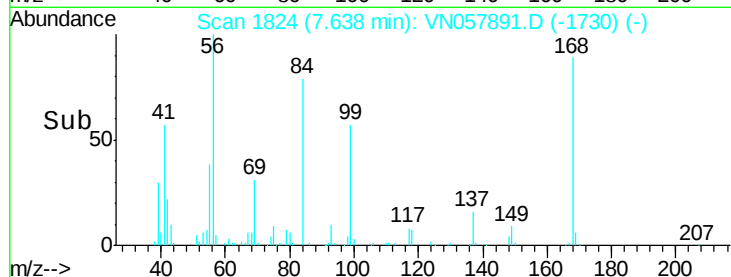
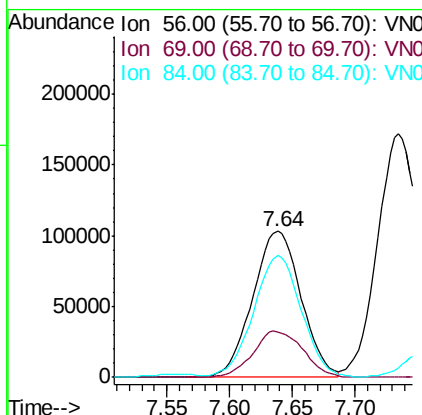
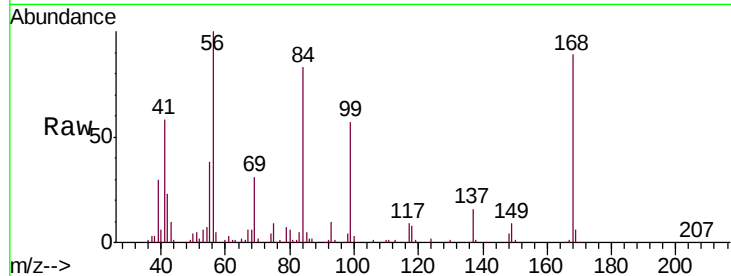
#31
Cyclohexane
Concen: 47.973 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.9	38.9
84	81.1	65.6	98.4

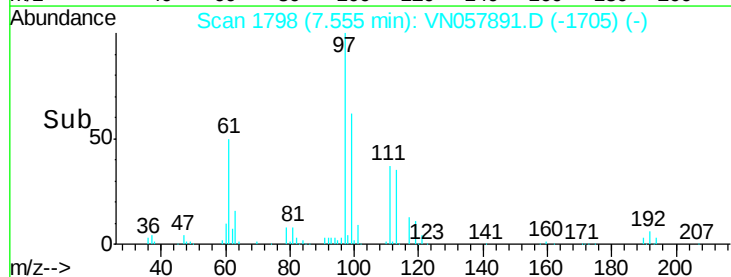
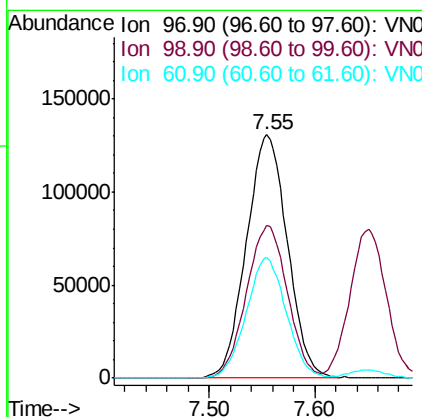
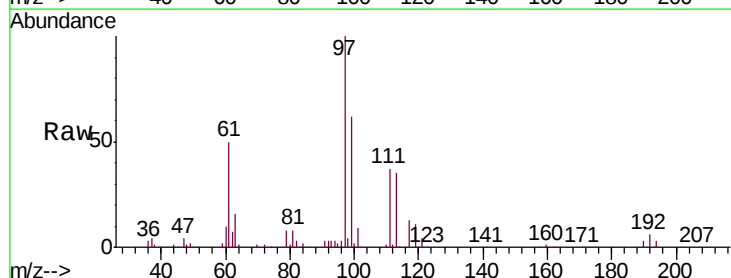
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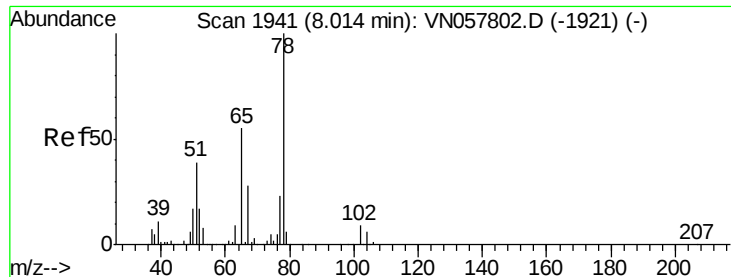
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#32
1,1,1-Trichloroethane
Concen: 50.394 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.4
61	48.4	39.0	58.6





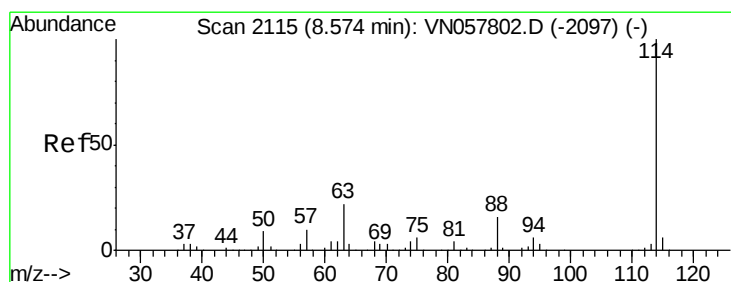
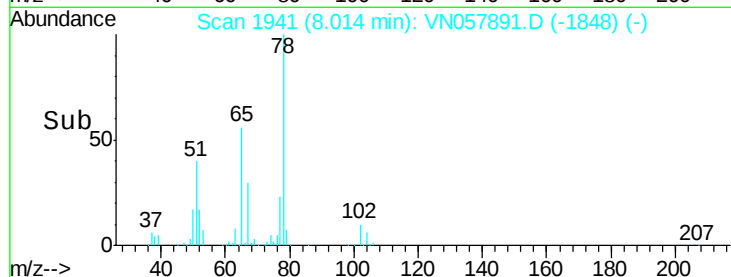
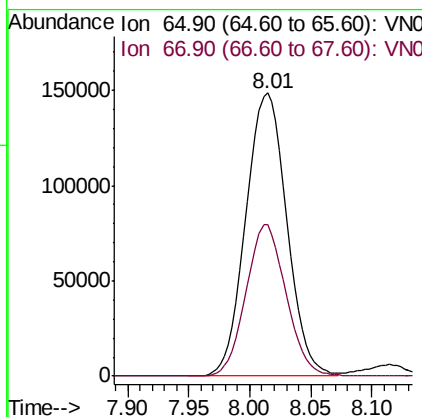
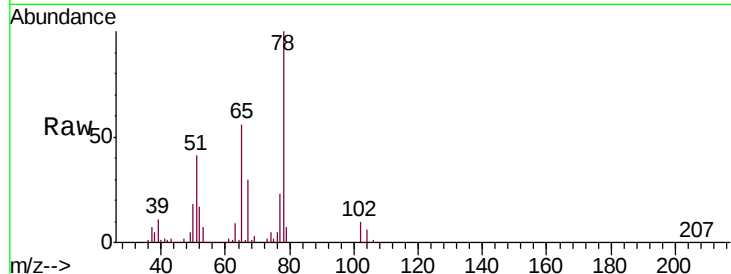
#33
 1,2-Dichloroethane-d4
 Concen: 53.870 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	346148		
67	52.1	0.0	104.0	

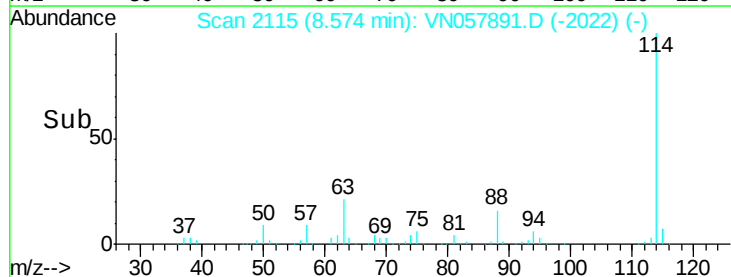
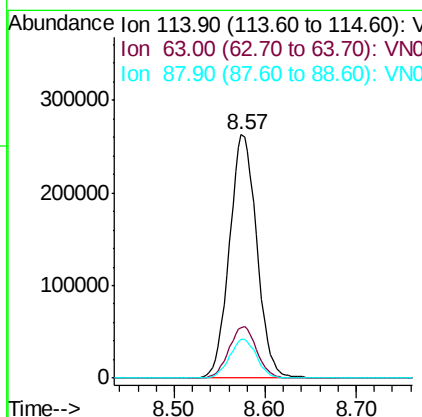
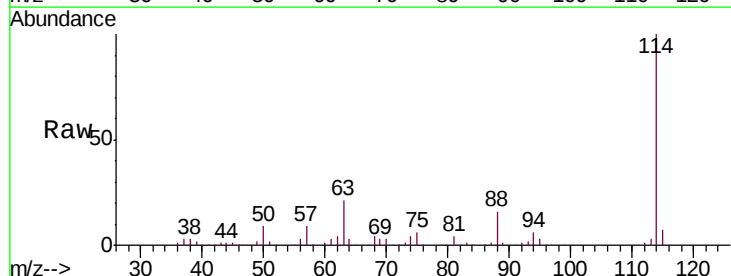
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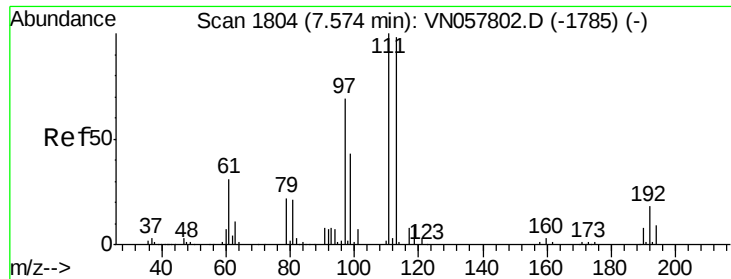
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 9/13/2019 7:06:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	549368		
63	20.9	0.0	44.0	
88	15.8	0.0	31.4	





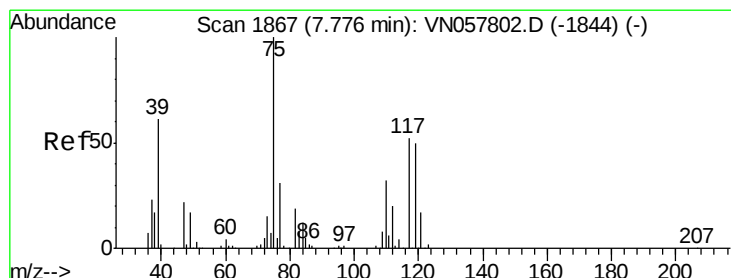
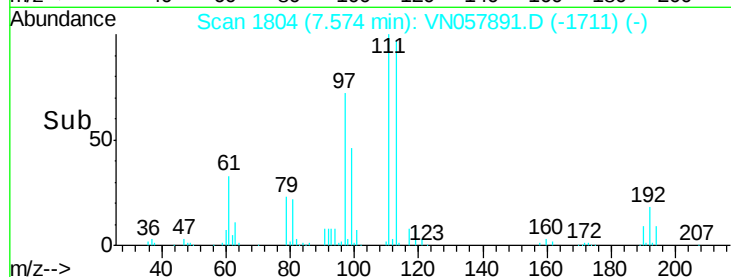
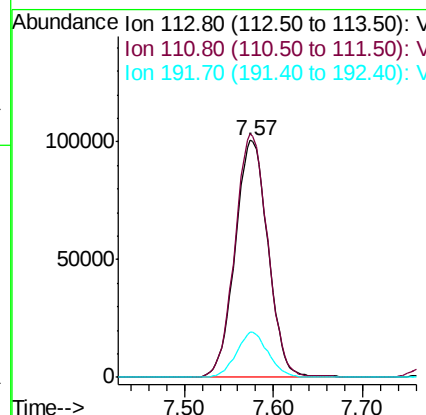
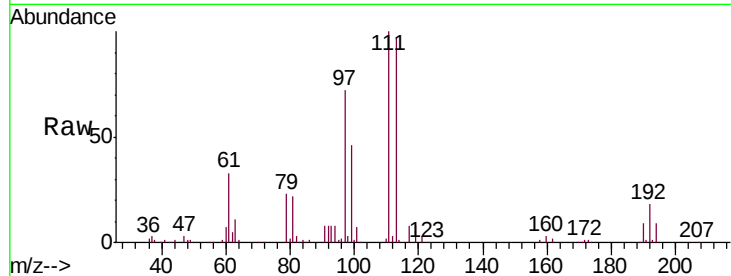
#35
Dibromofluoromethane
Concen: 50.732 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	257234		
111	102.0	81.3	121.9	
192	18.4	14.6	22.0	

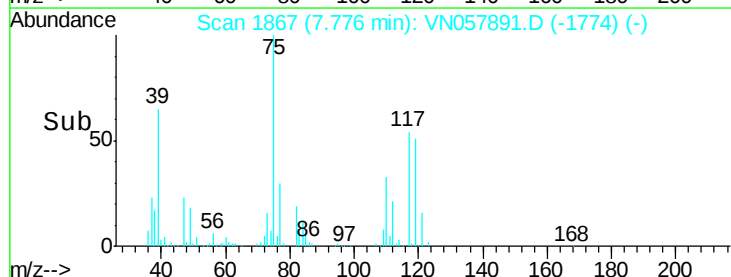
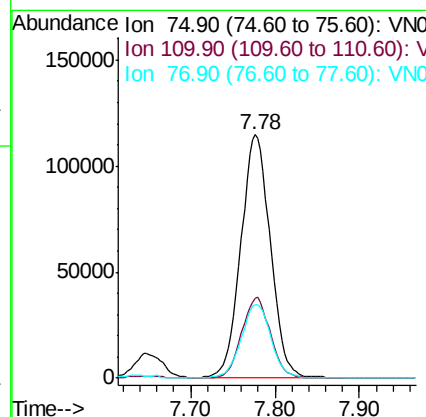
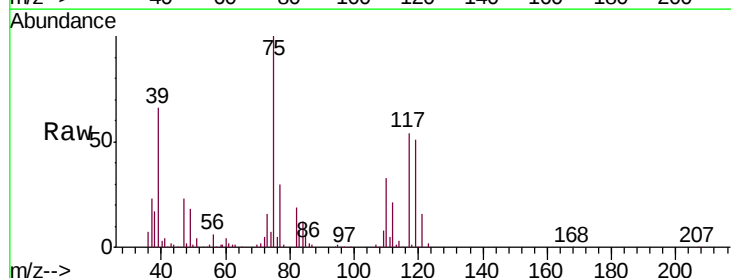
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#36
1,1-Dichloropropene
Concen: 43.874 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	279531		
110	32.3	16.3	48.9	
77	30.7	25.0	37.4	





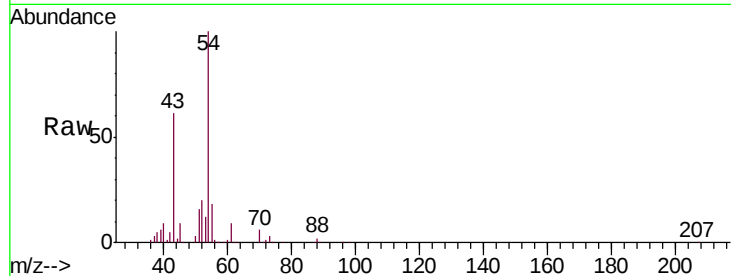
#37
Ethyl Acetate
Concen: 45.612 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

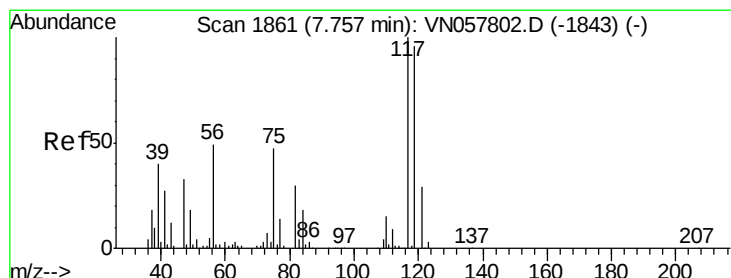
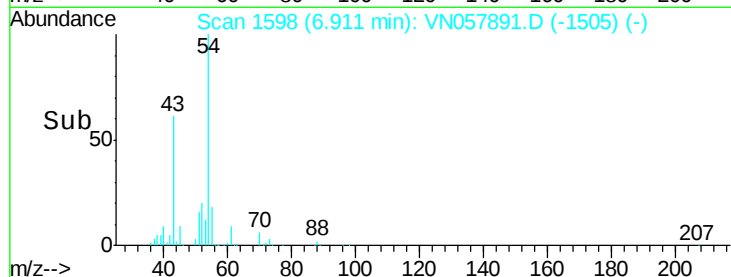
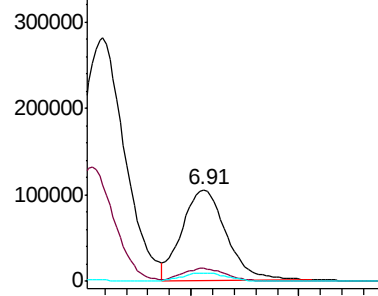
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.6	7.4	11.0

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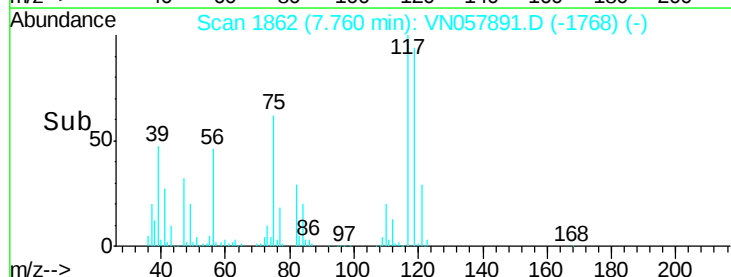
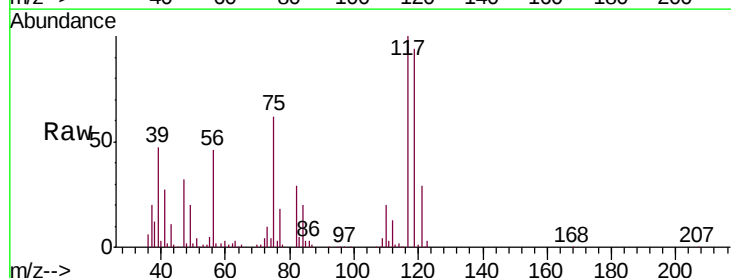
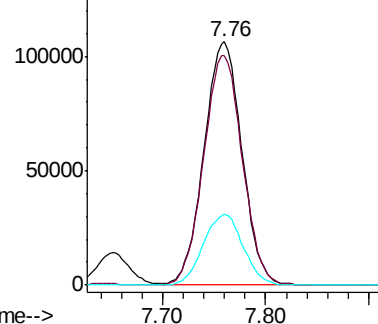
Abundance Ion 43.00 (42.70 to 43.70): VN057891.D (-1505) (-)
Ion 60.90 (60.60 to 61.60): VN057891.D (-1505) (-)
Ion 70.00 (69.70 to 70.70): VN057891.D (-1505) (-)

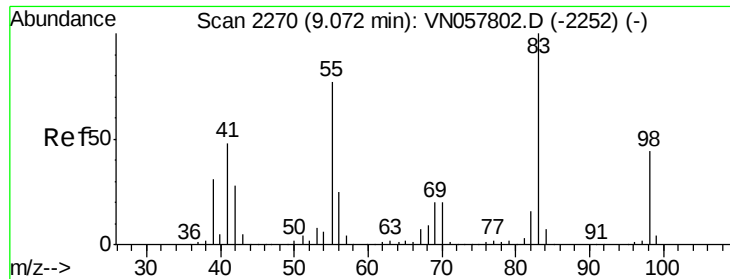


#38
Carbon Tetrachloride
Concen: 46.744 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.9	115.3
121	29.1	23.4	35.2

Abundance Ion 116.80 (116.50 to 117.50): VN057891.D (-1768) (-)
Ion 118.80 (118.50 to 119.50): VN057891.D (-1768) (-)
Ion 120.80 (120.50 to 121.50): VN057891.D (-1768) (-)





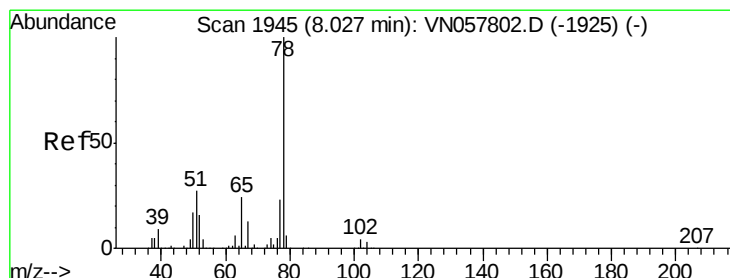
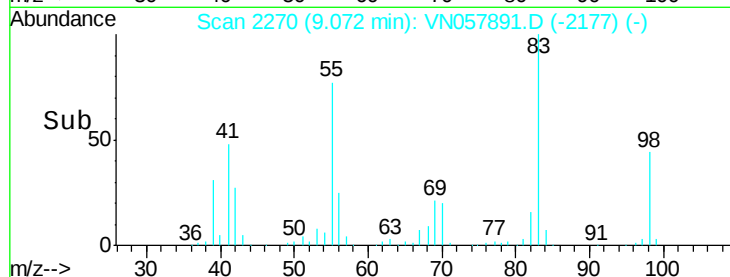
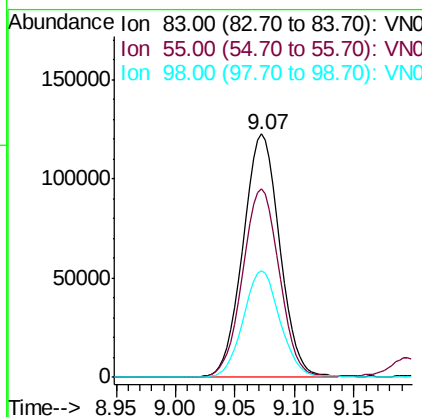
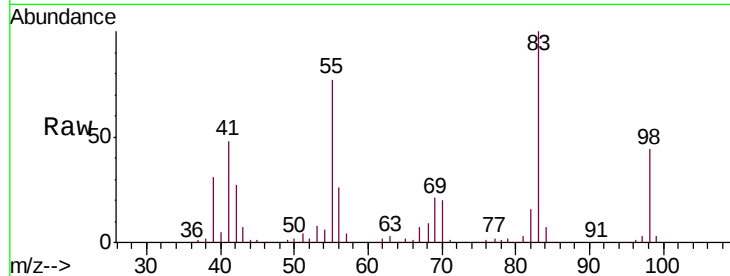
#39
Methylcyclohexane
Concen: 39.200 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.6	92.4
98	43.8	34.9	52.3

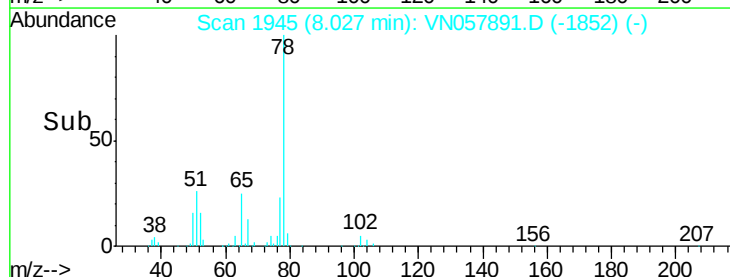
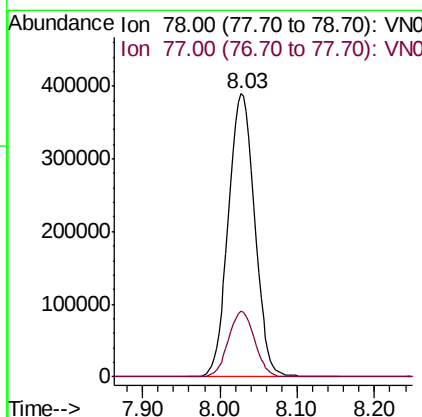
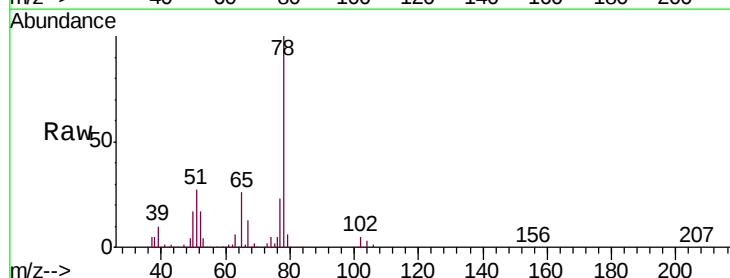
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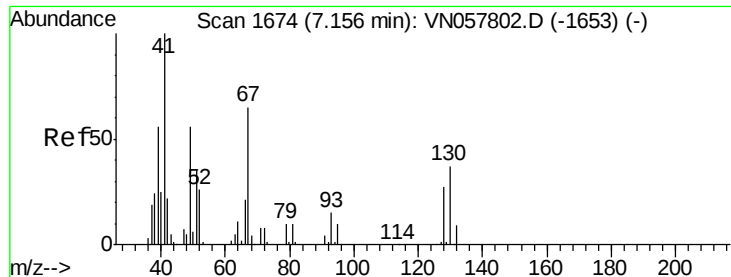
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#40
Benzene
Concen: 47.805 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5





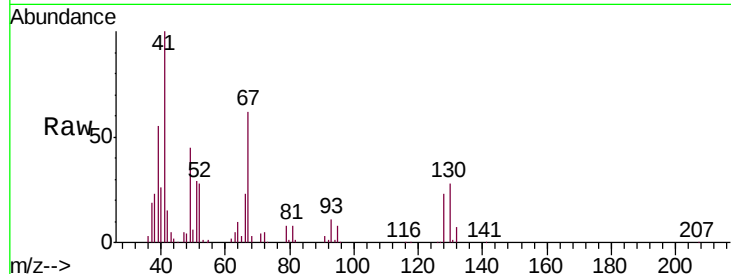
#41
Methacrylonitrile
Concen: 49.839 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

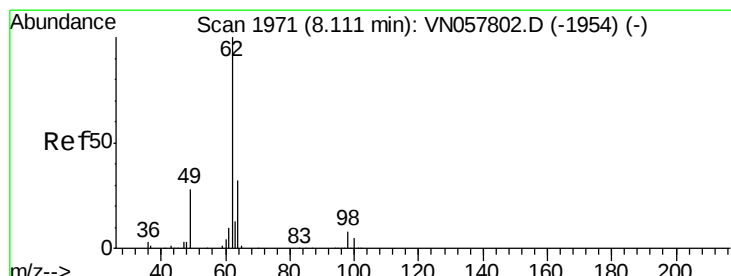
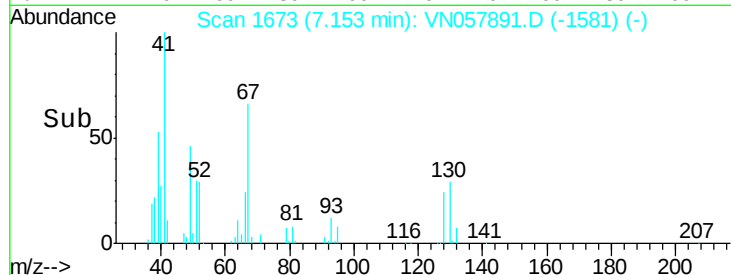
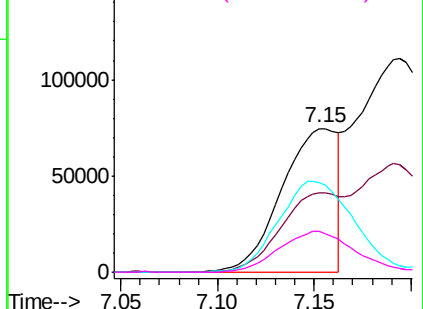
Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.8	51.0	76.6	
67	87.7	70.7	106.1	
52	39.2	30.8	46.2	

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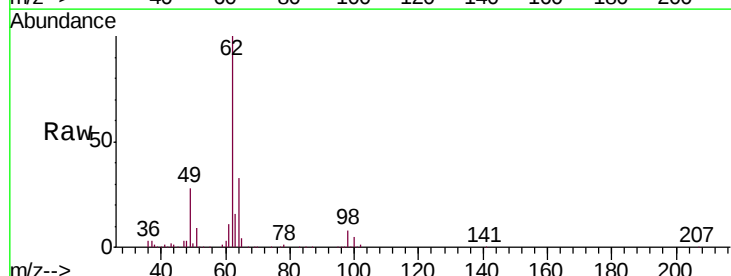


Abundance Ion 41.00 (40.70 to 41.70): VN057891.D (-1581) (-)
Ion 39.00 (38.70 to 39.70): VN057891.D (-1581) (-)
Ion 67.00 (66.70 to 67.70): VN057891.D (-1581) (-)
Ion 52.00 (51.70 to 52.70): VN057891.D (-1581) (-)

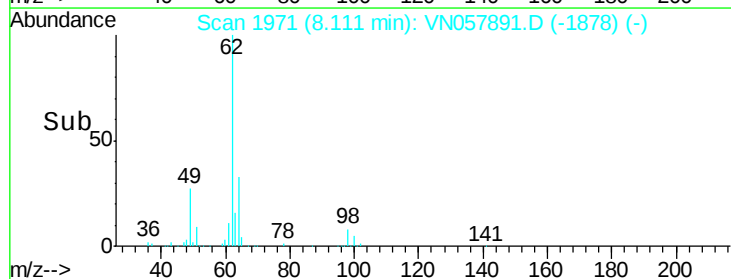
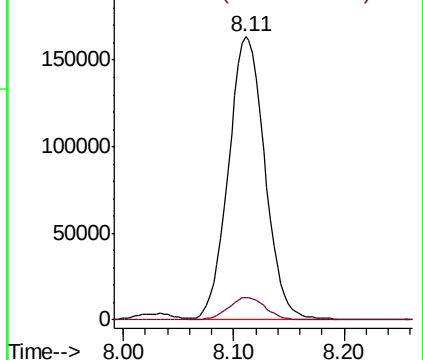


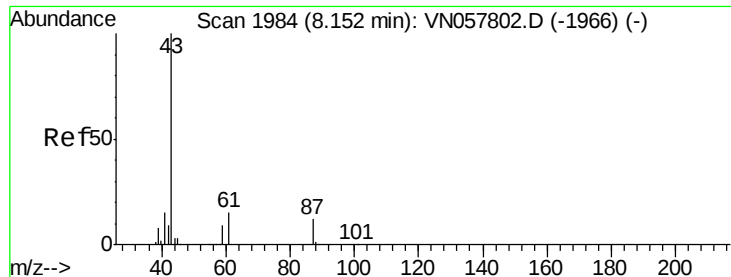
#42
1,2-Dichloroethane
Concen: 48.602 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	15.8	



Abundance Ion 61.90 (61.60 to 62.60): VN057891.D (-1878) (-)
Ion 97.90 (97.60 to 98.60): VN057891.D (-1878) (-)





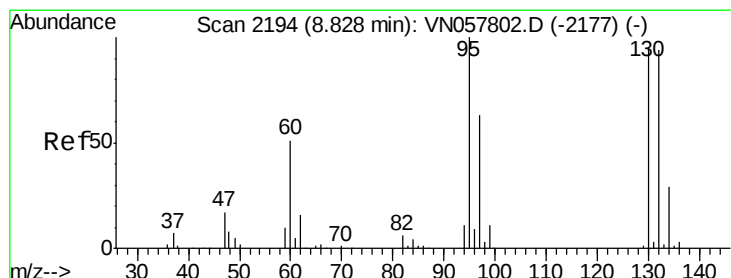
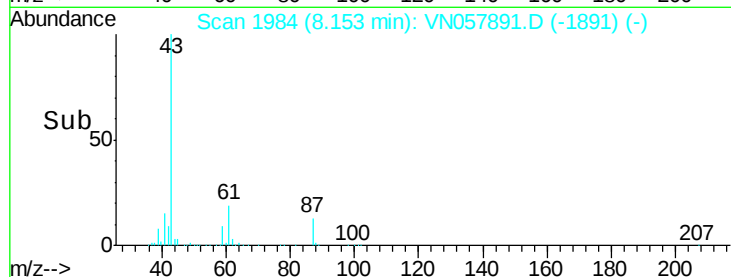
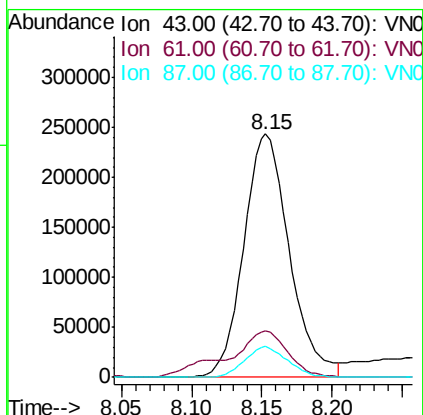
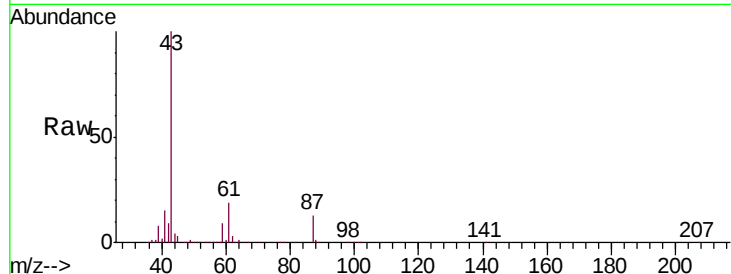
#43
Isopropyl Acetate
Concen: 49.414 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.1	30.1
87	12.1	9.5	14.3

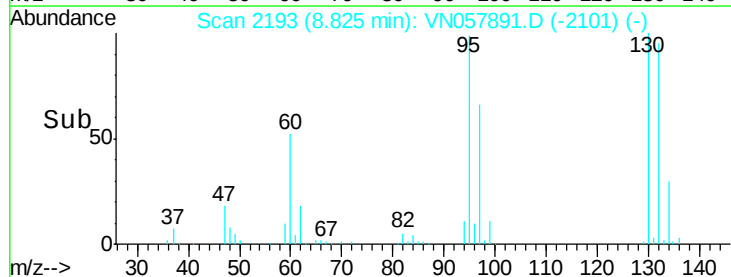
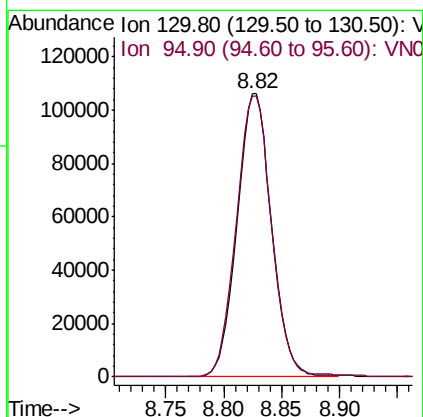
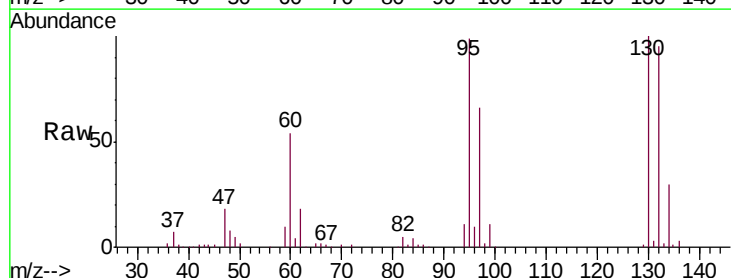
Manual Integrations
APPROVED

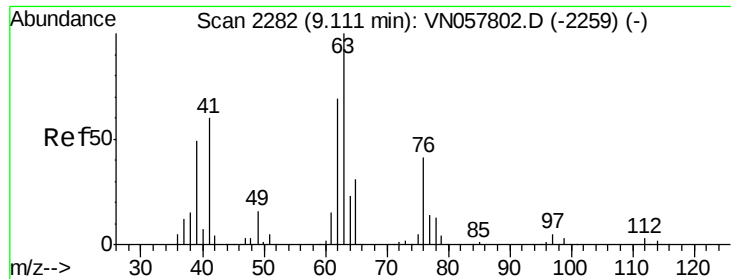
MMDadoda
9/13/2019 7:06:22 AM



#44
Trichloroethene
Concen: 46.544 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	211.4





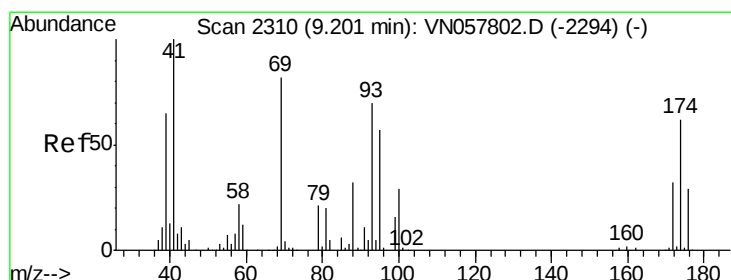
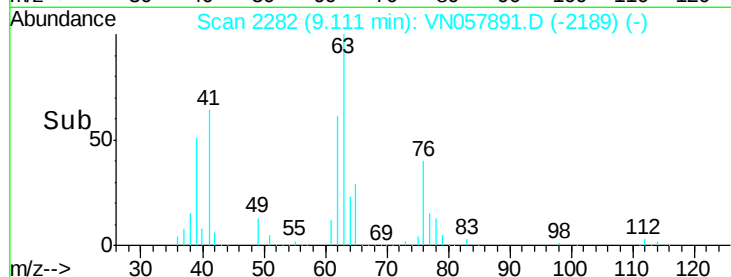
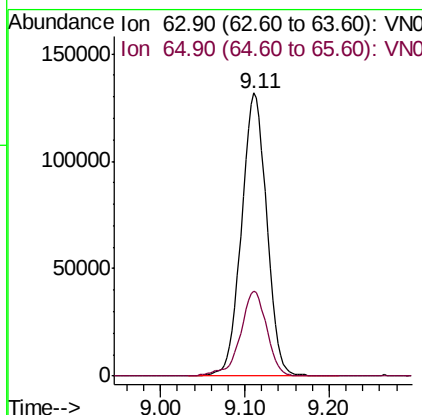
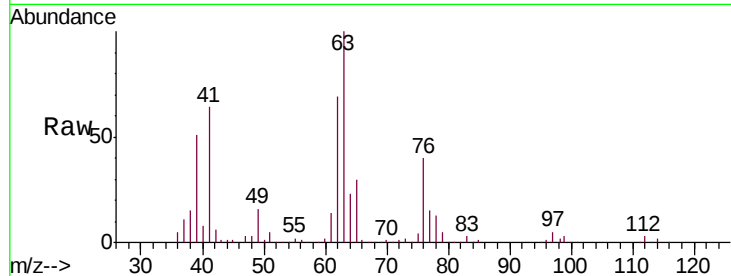
#45
 1,2-Dichloropropane
 Concen: 49.178 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion: 63 Resp: 274489
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.8 37.2

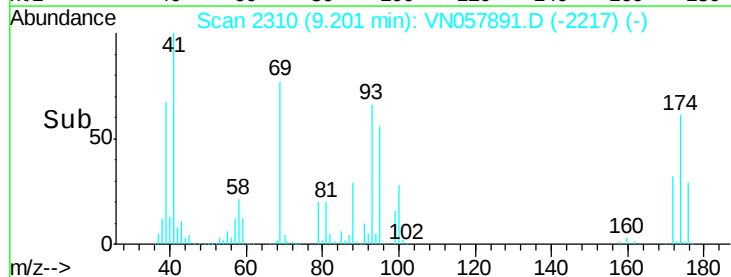
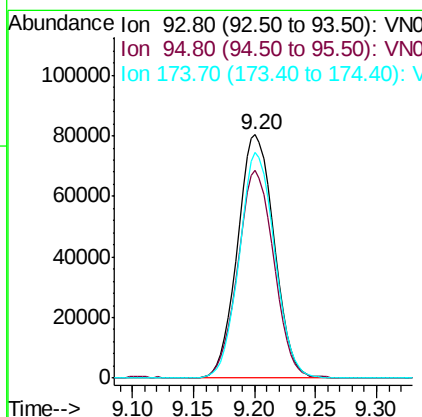
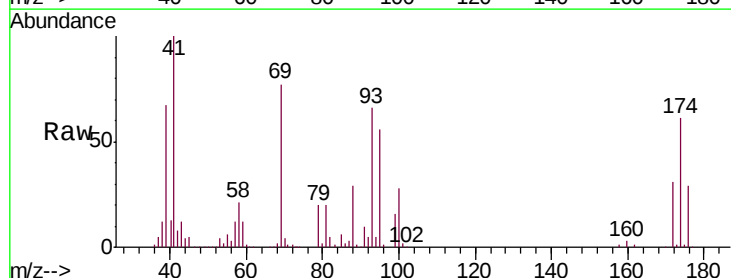
Manual Integrations
 APPROVED

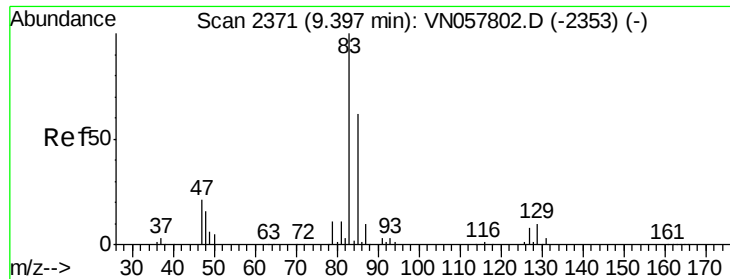
MMDadoda
 9/13/2019 7:06:22 AM



#46
 Dibromomethane
 Concen: 49.456 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 93 Resp: 166806
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.9 98.9
 174 89.7 71.8 107.6





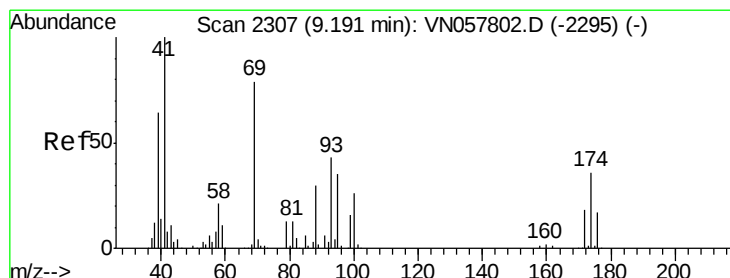
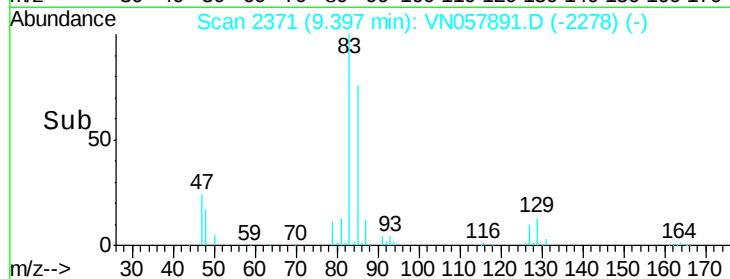
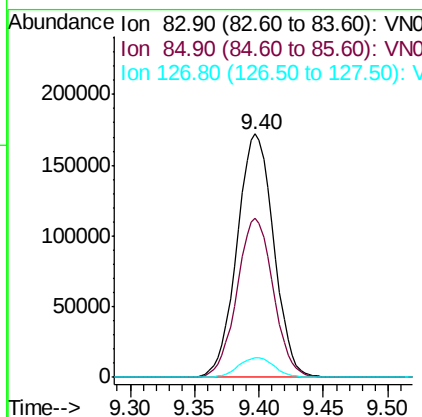
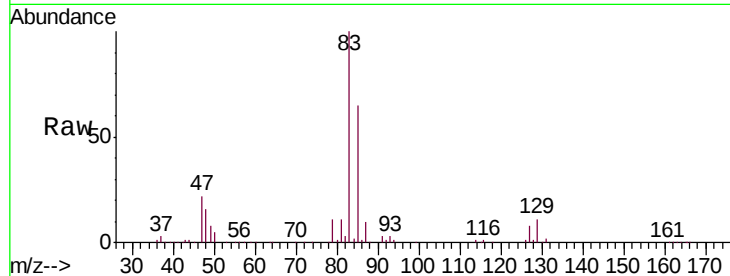
#47
Bromodichloromethane
Concen: 50.619 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	340930		
85	65.5	49.9	74.9	
127	8.2	6.5	9.7	

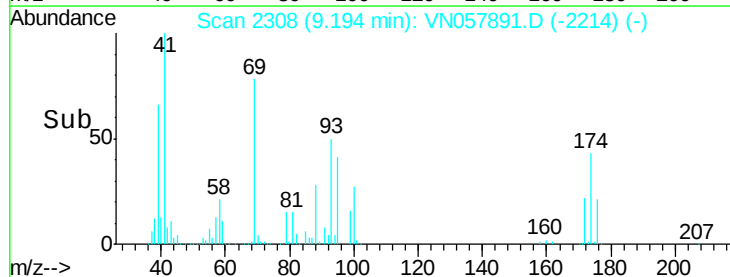
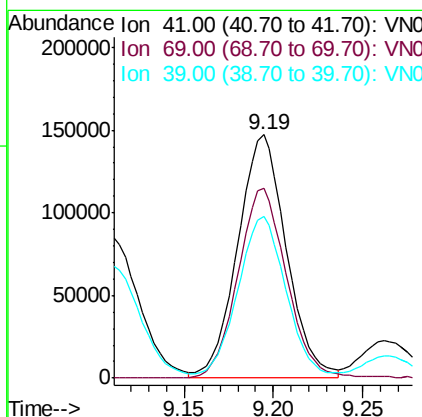
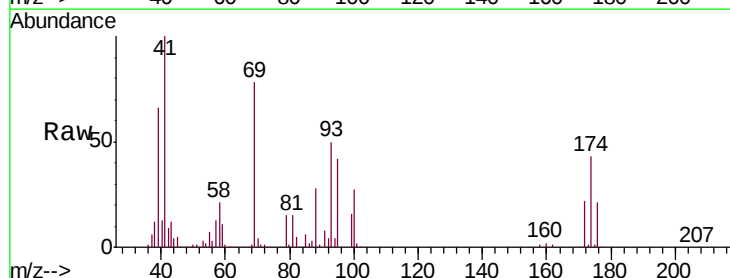
Manual Integrations
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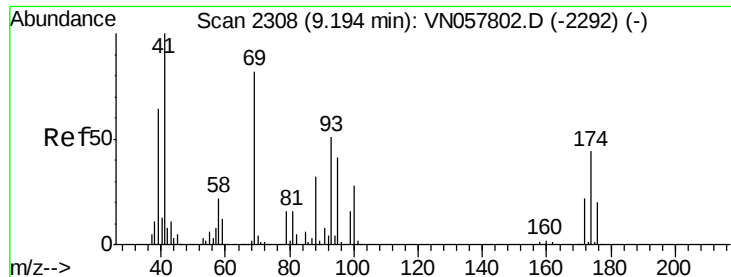
MMDadoda
9/13/2019 7:06:22 AM



#48
Methyl methacrylate
Concen: 49.667 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	278899		
69	78.4	62.7	94.1	
39	66.3	52.7	79.1	





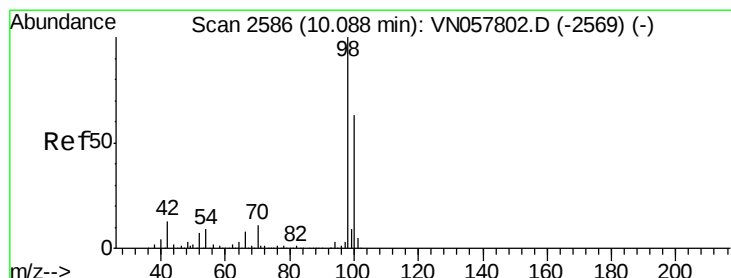
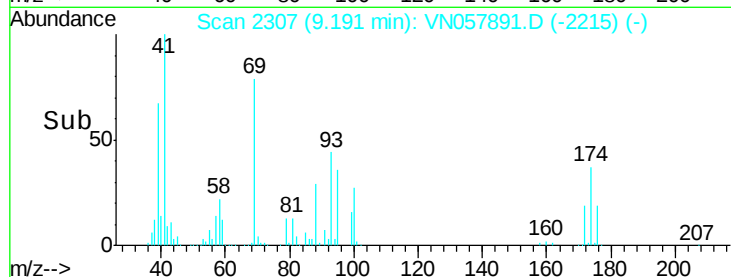
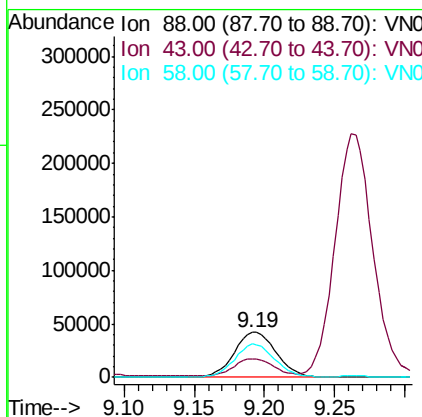
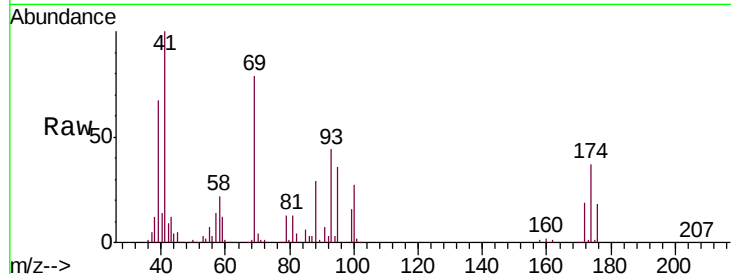
#49
1,4-Dioxane
Concen: 927.446 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.5	42.7
58	71.3	55.8	83.6

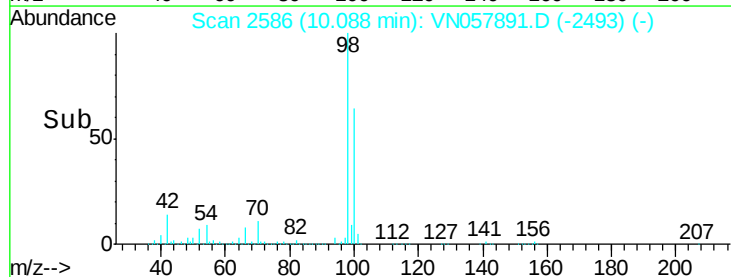
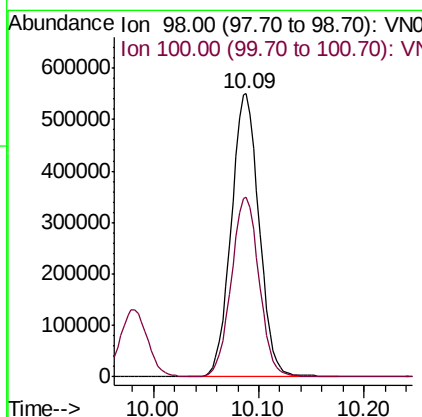
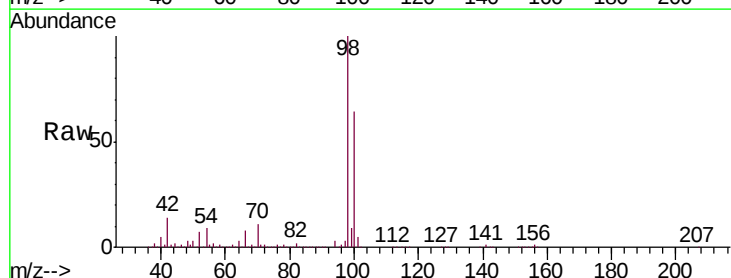
Manual Integrations
APPROVED

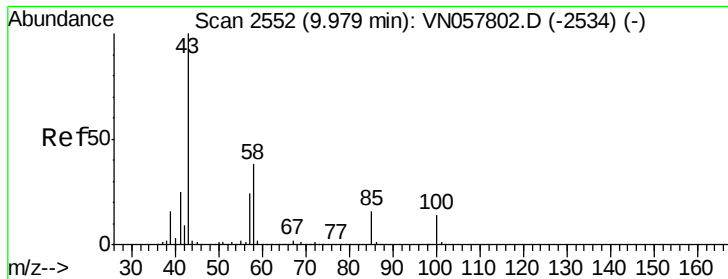
MMDadoda
9/13/2019 7:06:22 AM



#50
Toluene-d8
Concen: 51.089 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.3	75.5





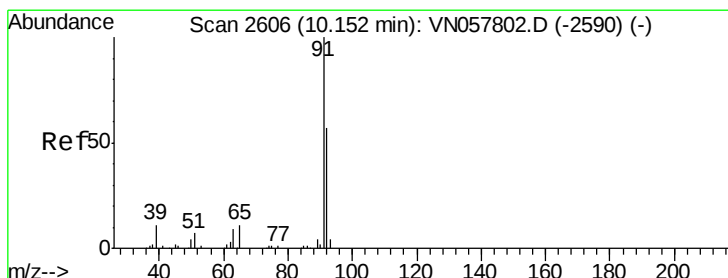
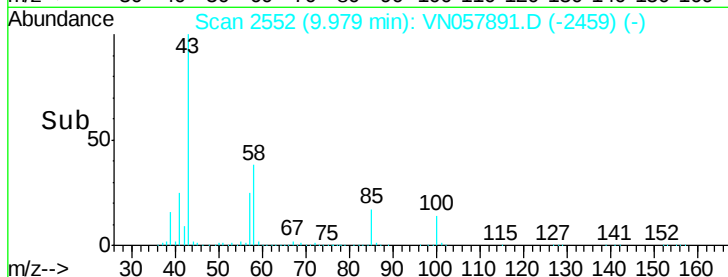
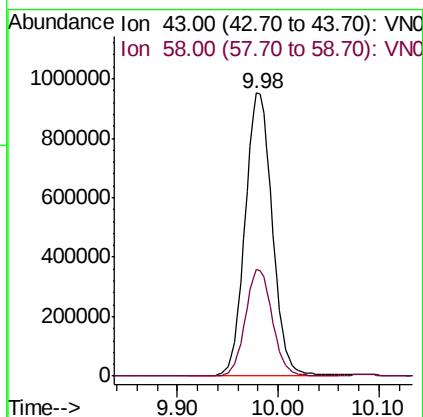
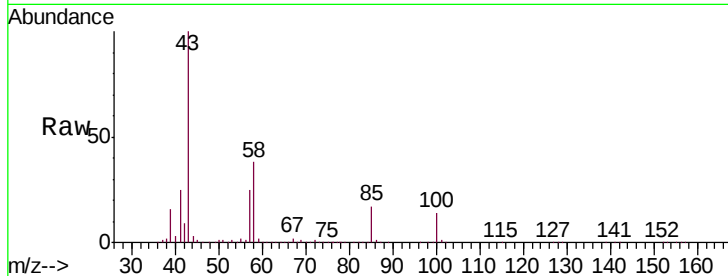
#51
 4-Methyl-2-Pentanone
 Concen: 268.855 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion: 43 Resp: 1761217
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.6

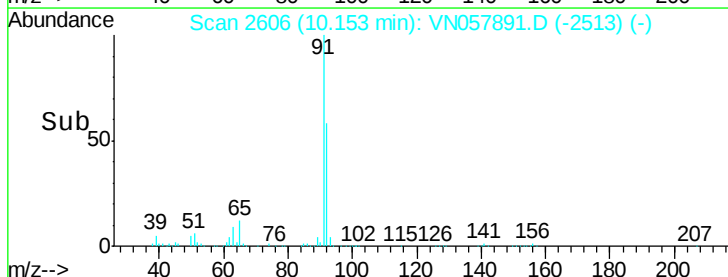
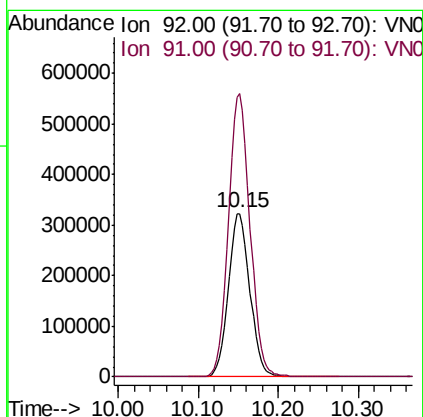
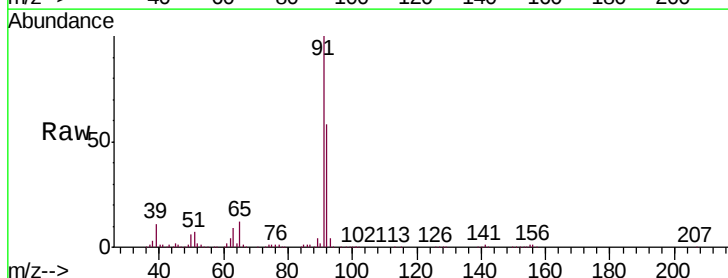
Manual Integrations
 APPROVED

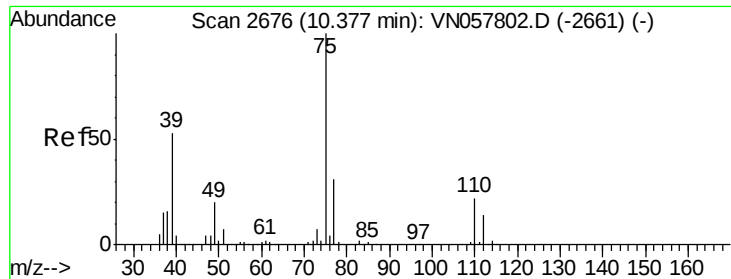
MMDadoda
 9/13/2019 7:06:22 AM



#52
 Toluene
 Concen: 48.820 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 92 Resp: 589805
 Ion Ratio Lower Upper
 92 100
 91 174.0 141.0 211.6





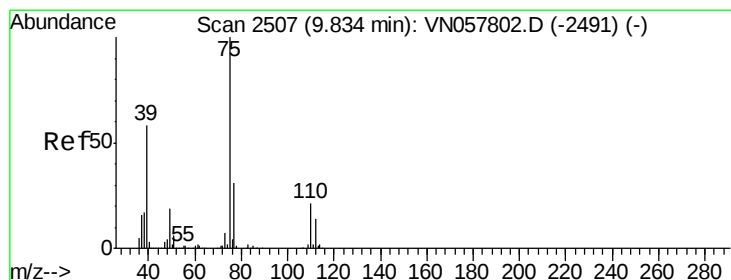
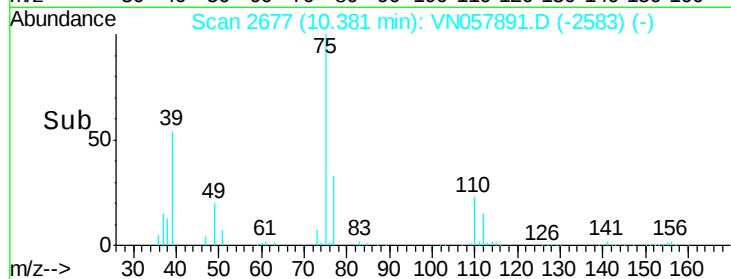
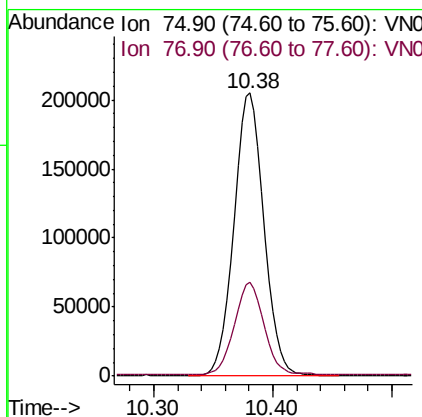
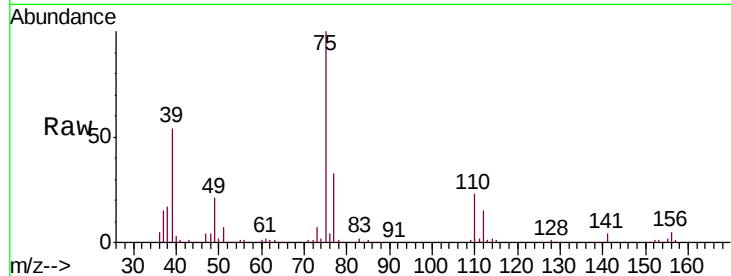
#53
t-1,3-Dichloropropene
Concen: 50.023 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion: 75 Resp: 354792
Ion Ratio Lower Upper
75 100
77 32.4 24.5 36.7

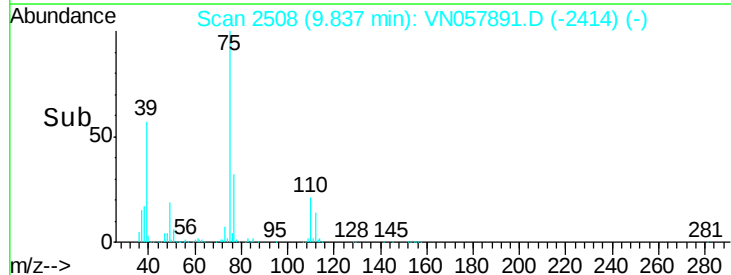
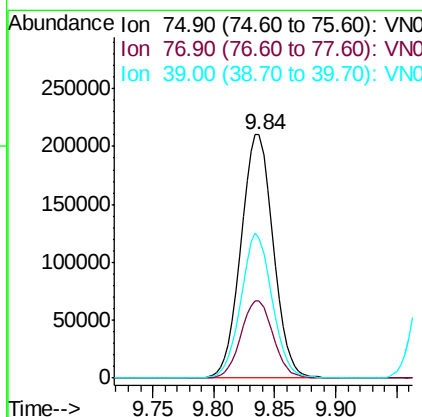
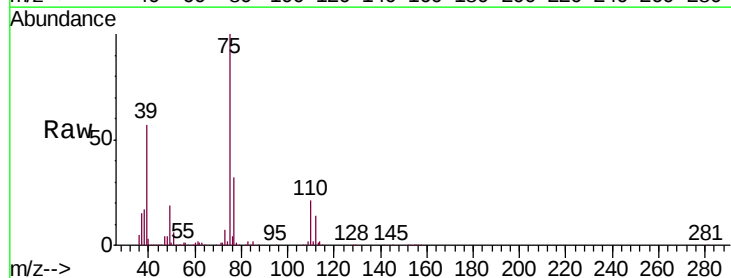
Manual Integrations
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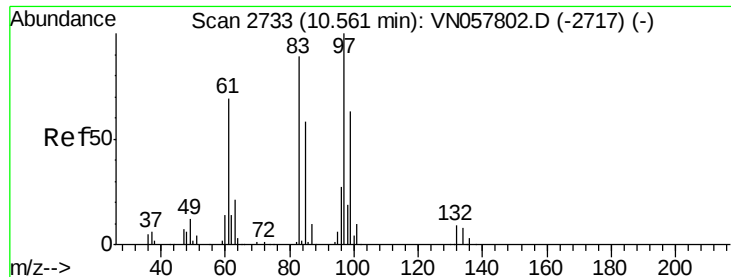
MMDadoda
9/13/2019 7:06:22 AM



#54
cis-1,3-Dichloropropene
Concen: 48.991 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion: 75 Resp: 383625
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 57.3 46.2 69.4





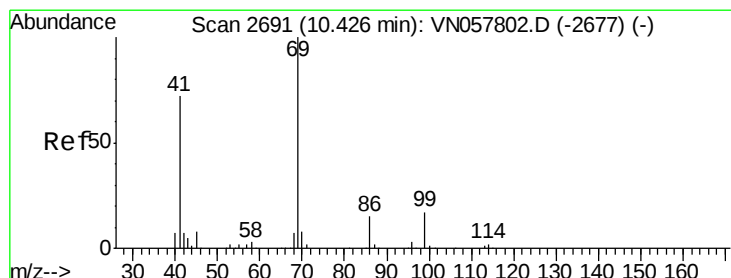
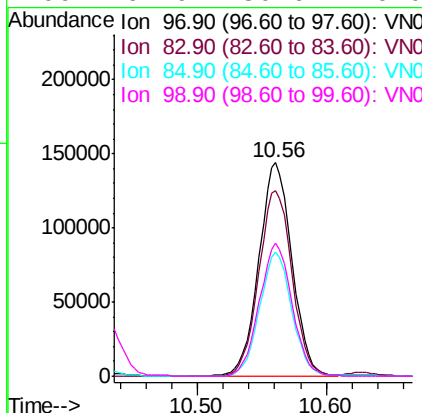
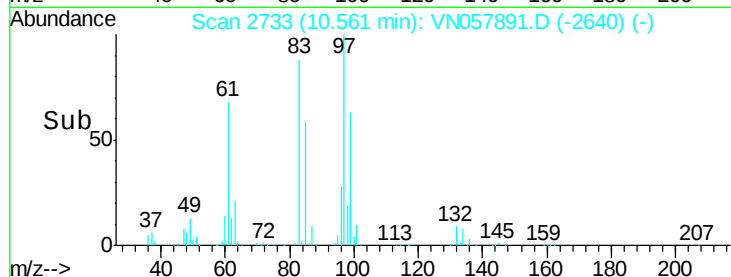
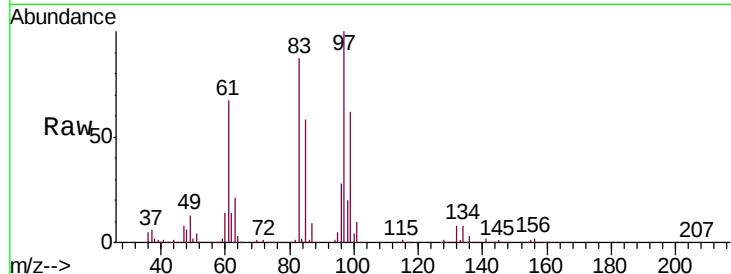
#55
 1,1,2-Trichloroethane
 Concen: 50.317 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion:	97	Resp:	257497
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.8	106.2
85	58.4	46.0	69.0
99	61.9	50.6	76.0

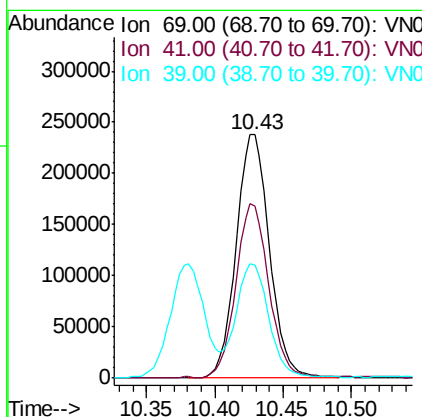
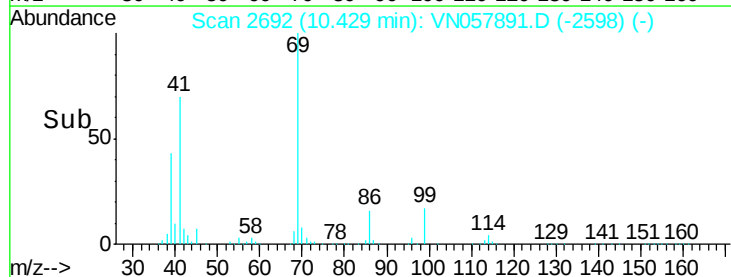
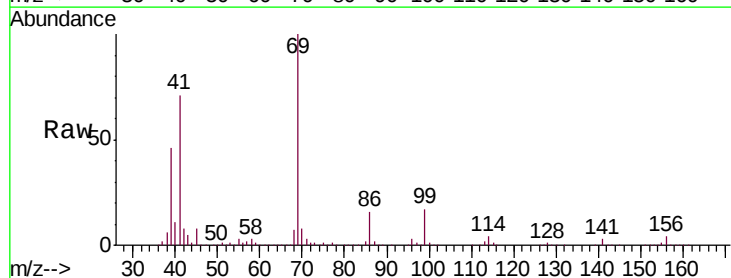
Manual Integrations
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 9/13/2019 7:06:22 AM



#56
 Ethyl methacrylate
 Concen: 52.073 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion:	69	Resp:	401299
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.7	85.1
39	46.4	36.3	54.5





#57

1,3-Dichloropropane

Concen: 49.525 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 76 Resp: 436778

Ion Ratio Lower Upper

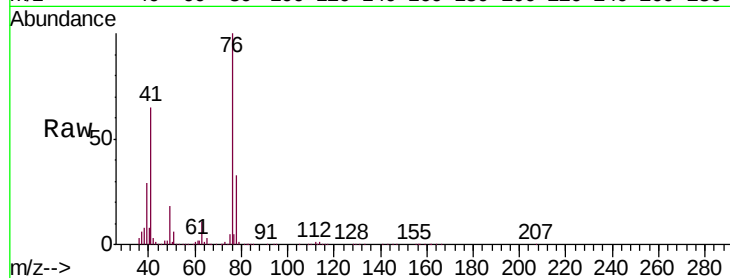
76 100

78 32.6 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

9/13/2019 7:06:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VN057802.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN057802.D (-2762) (-)

10.71

250000

200000

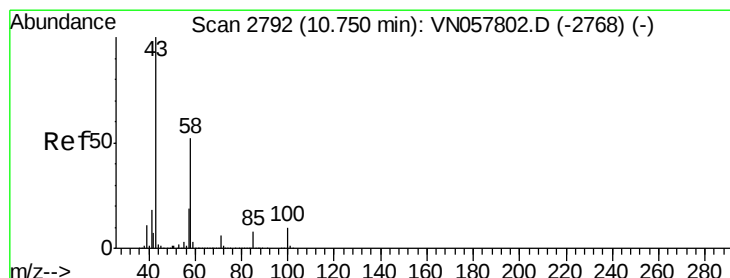
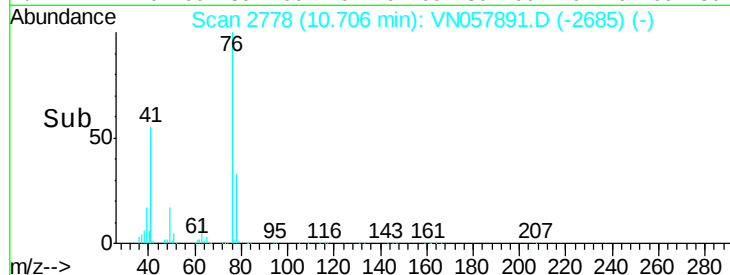
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 267.854 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057891.D

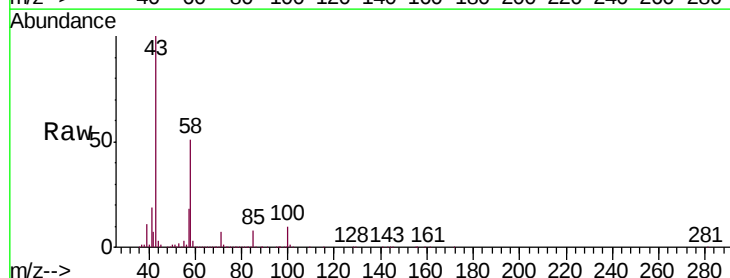
Acq: 11 Sep 2019 1:52

Tgt Ion: 43 Resp: 1315187

Ion Ratio Lower Upper

43 100

58 51.1 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2768) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2768) (-)

10.75

800000

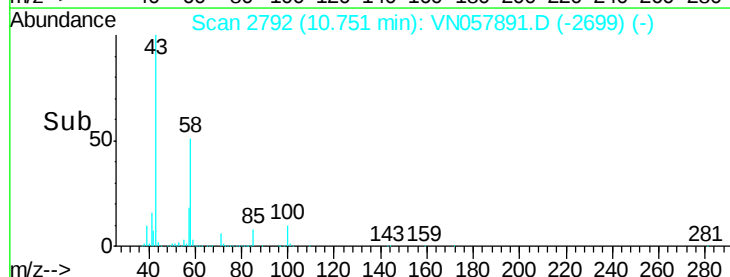
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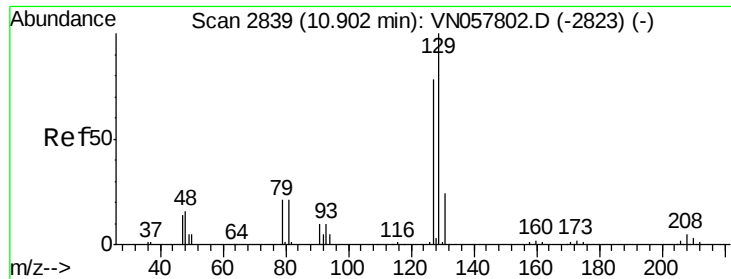
400000

200000

0

Time-->





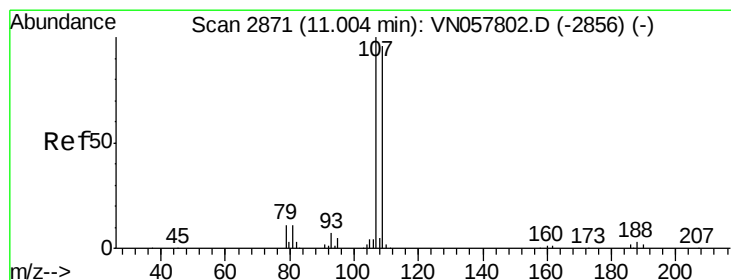
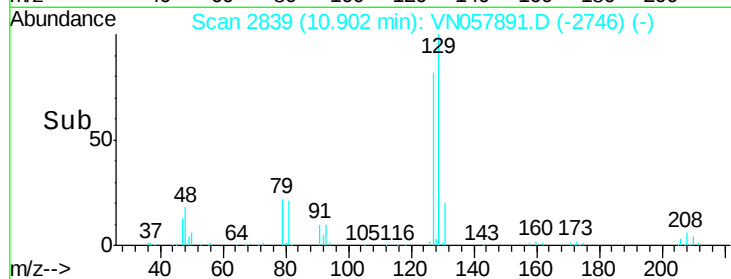
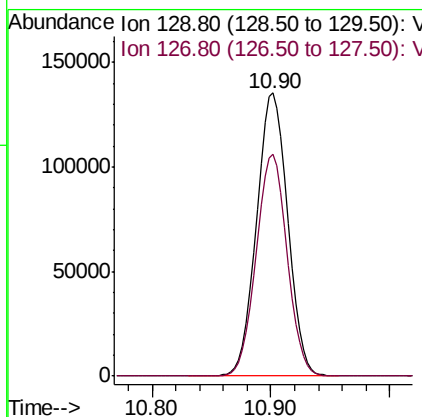
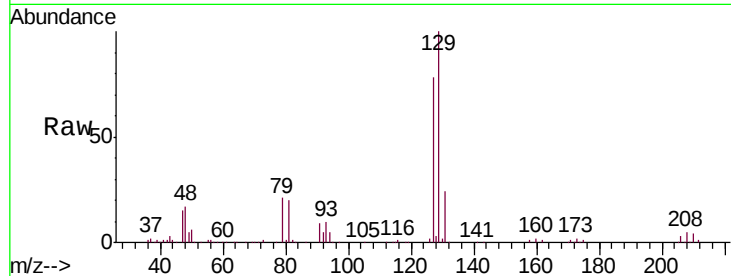
#60
Dibromochloromethane
Concen: 51.779 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion:129 Resp: 246059
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0

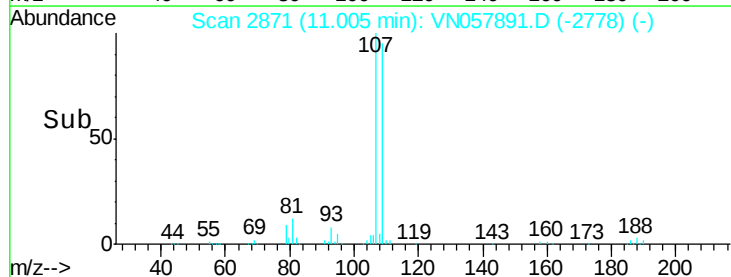
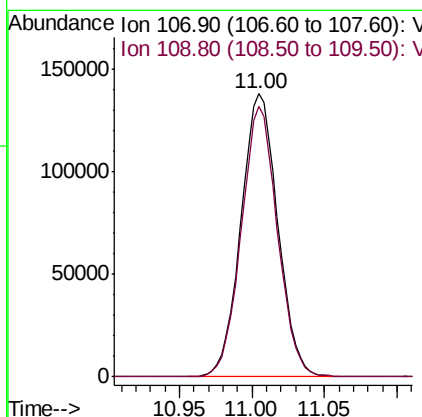
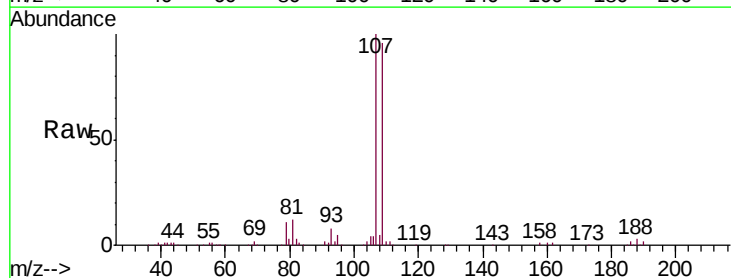
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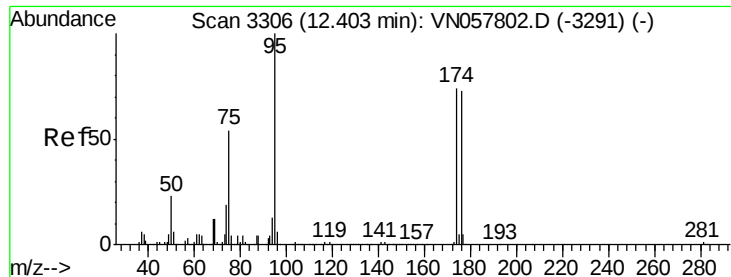
MMDadoda
9/13/2019 7:06:22 AM



#61
1,2-Dibromoethane
Concen: 50.408 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion:107 Resp: 243876
Ion Ratio Lower Upper
107 100
109 93.9 75.3 112.9





#62

4-Bromofluorobenzene

Concen: 49.657 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

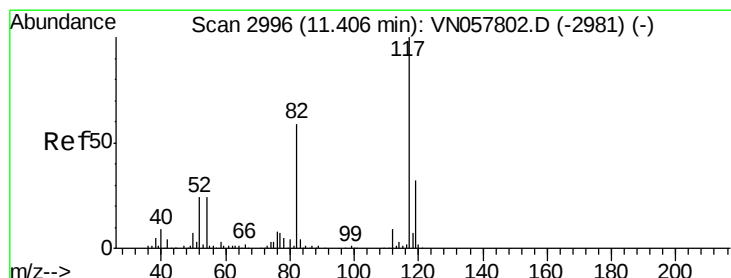
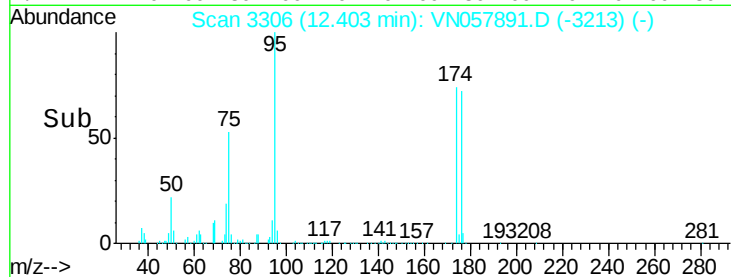
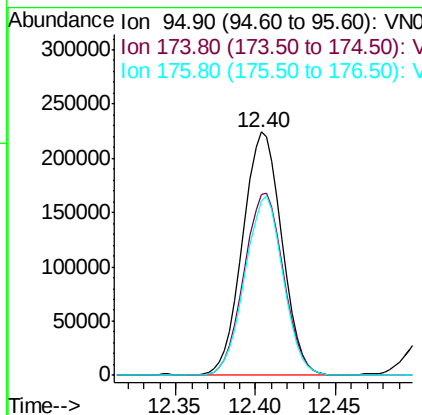
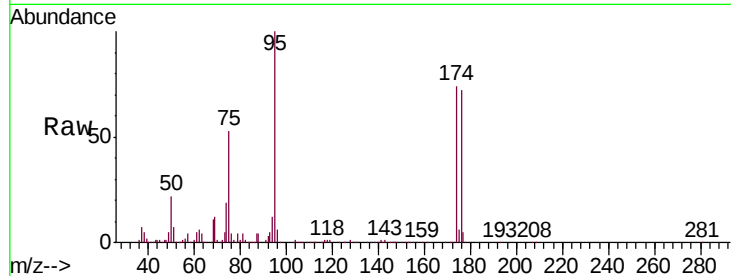
ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion:	95	Resp:	372539
Ion Ratio	Lower	Upper	
95	100		
174	76.1	0.0	150.2
176	72.6	0.0	146.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

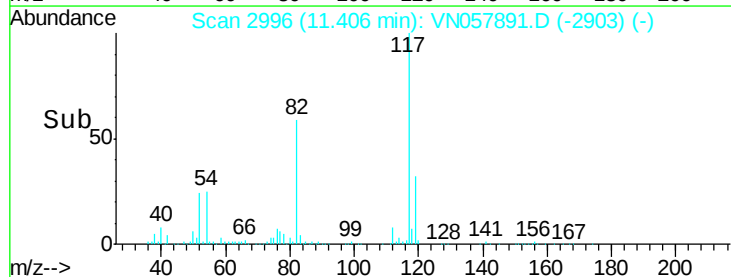
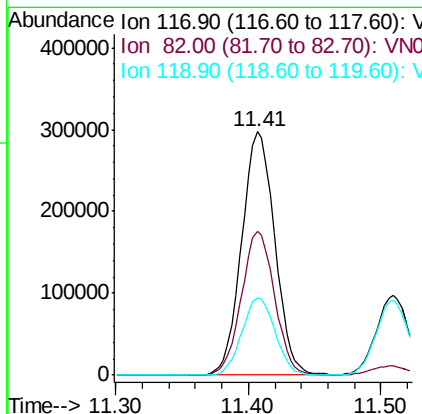
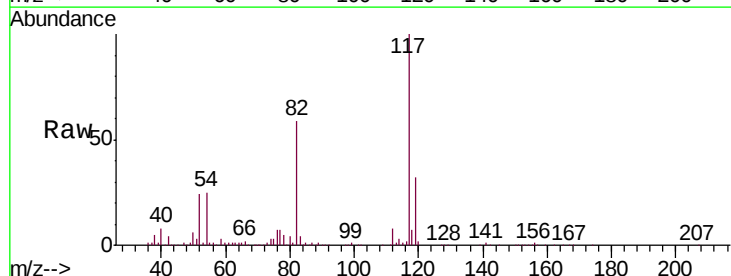
RT: 11.41 min Scan# 2996

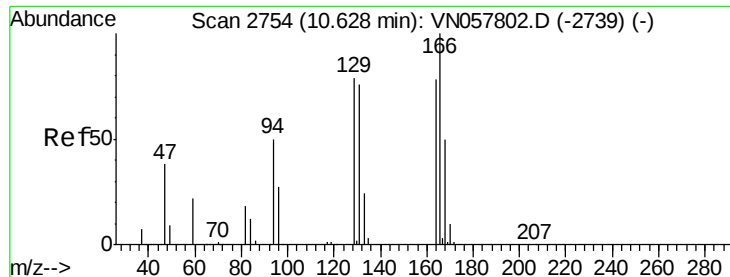
Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Tgt Ion:	117	Resp:	516054
Ion Ratio	Lower	Upper	
117	100		
82	59.1	47.2	70.8
119	32.0	25.3	37.9





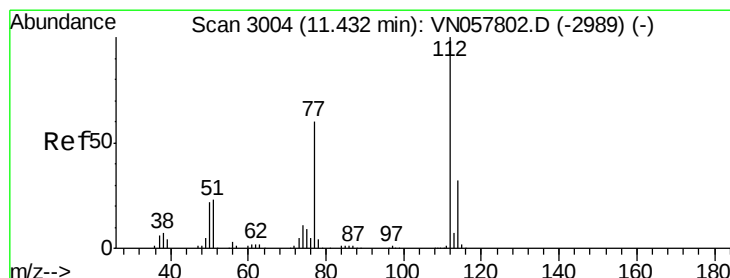
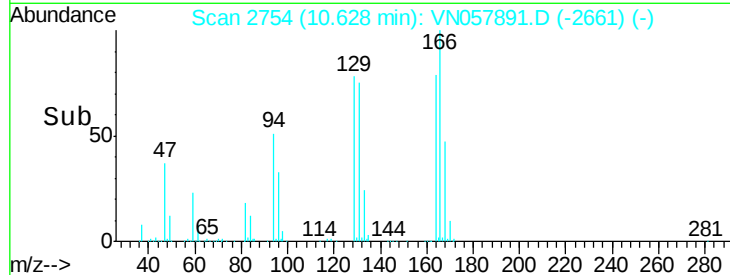
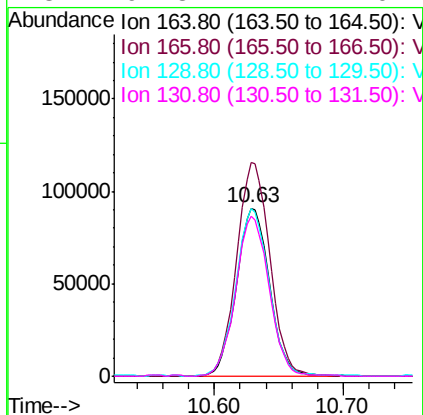
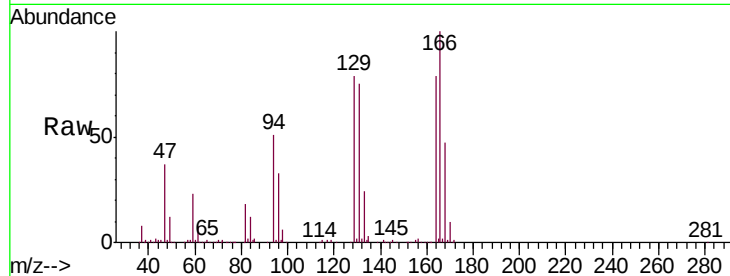
#64
Tetrachloroethene
Concen: 42.667 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.0	162575	102.2	153.2
129	99.5		80.8	121.2
131	94.8		77.4	116.2

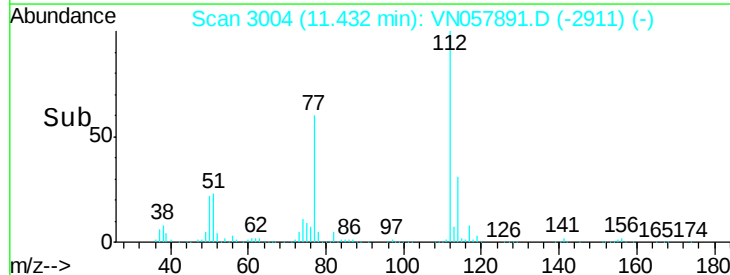
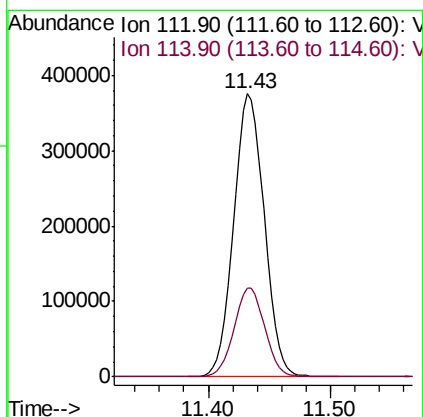
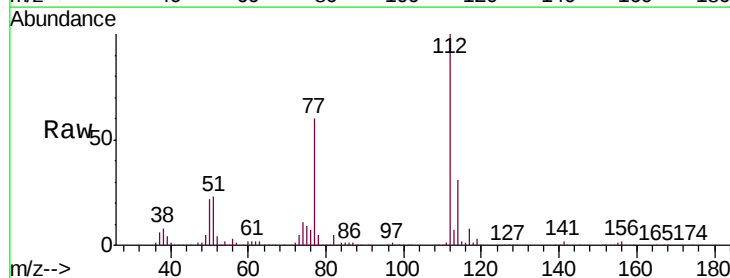
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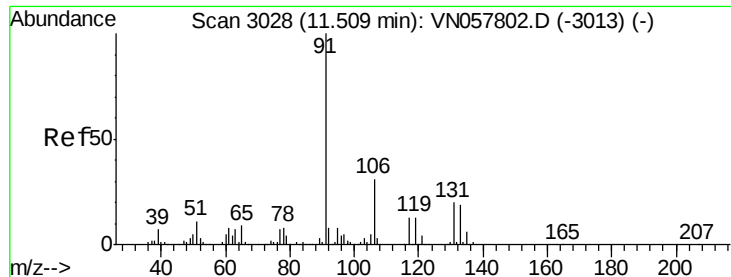
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#65
Chlorobenzene
Concen: 48.293 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	652222		
114	31.3		25.2	37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 51.631 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 131 Resp: 241958
Ion Ratio Lower Upper

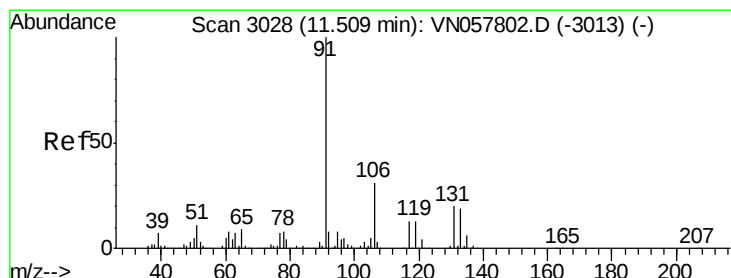
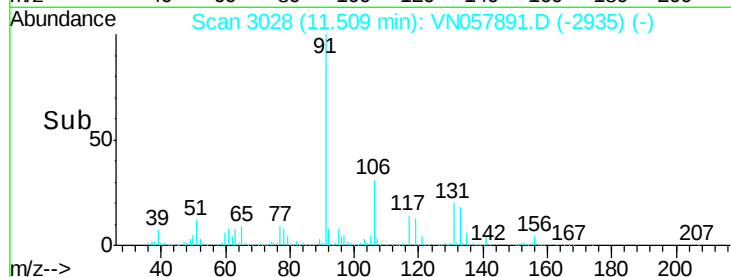
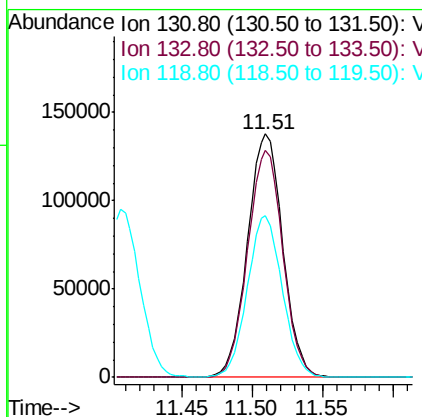
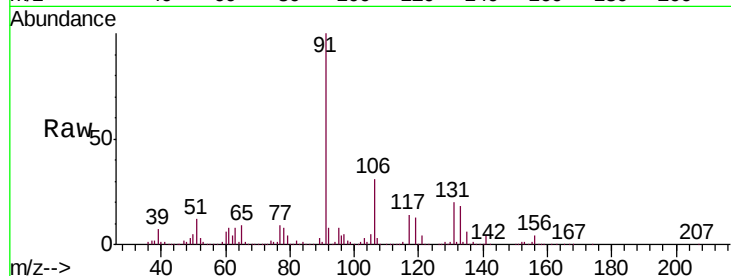
131 100

133 93.1 47.1 141.3

119 65.8 33.3 99.8

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#67

Ethyl Benzene

Concen: 50.109 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

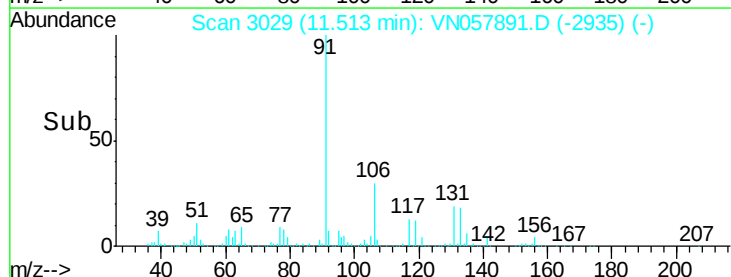
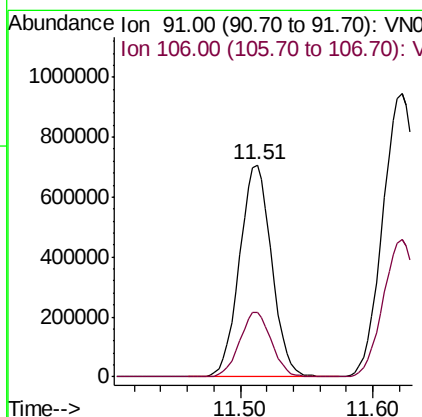
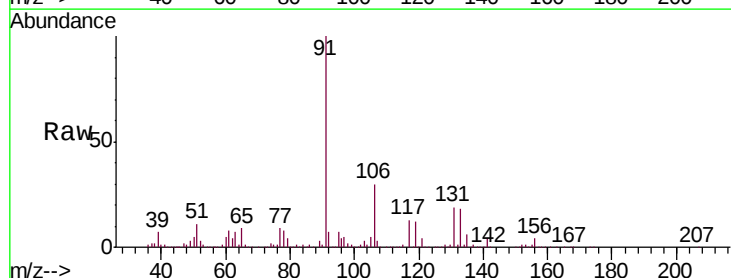
Lab File: VN057891.D

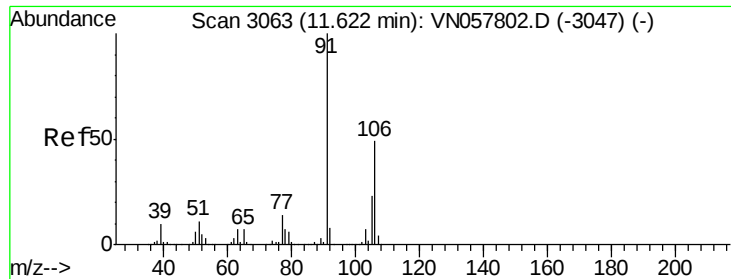
Acq: 11 Sep 2019 1:52

Tgt Ion: 91 Resp: 1186014
Ion Ratio Lower Upper

91 100

106 30.5 24.4 36.6





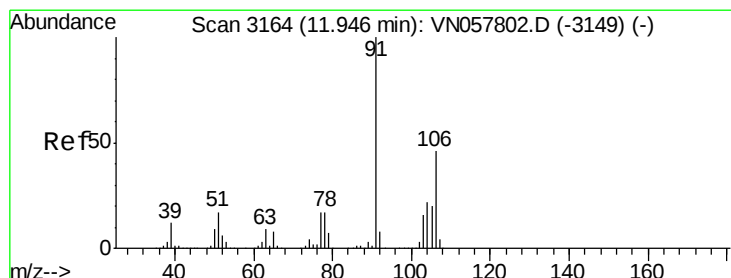
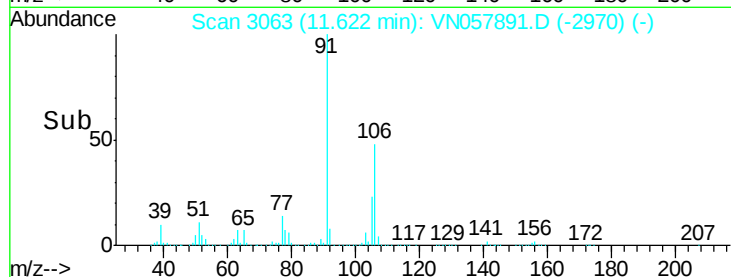
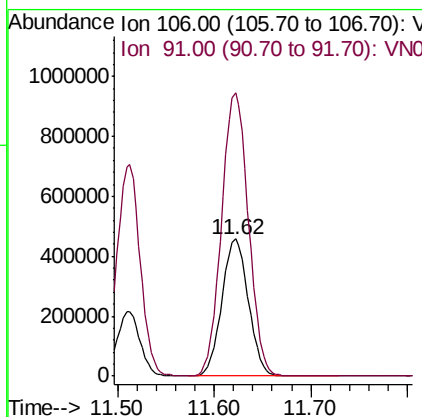
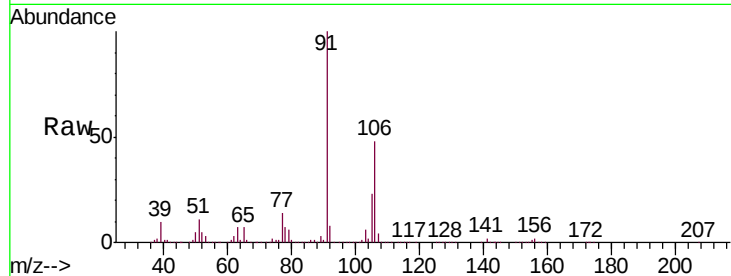
#68
m/p-Xylenes
Concen: 100.427 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion:106 Resp: 870691
Ion Ratio Lower Upper
106 100
91 208.8 165.8 248.6

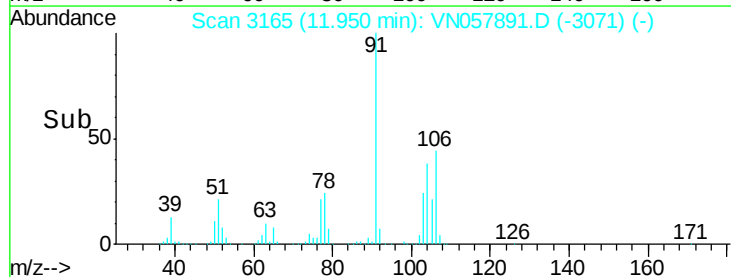
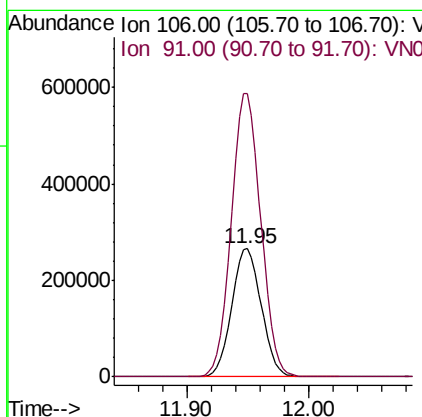
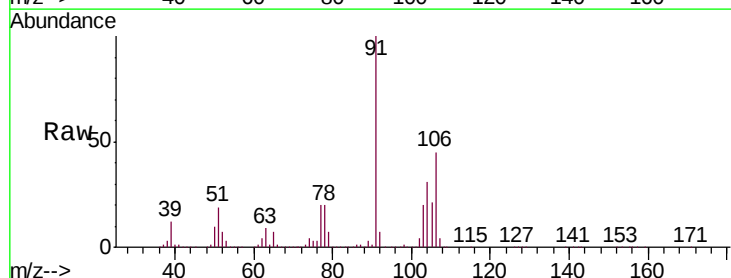
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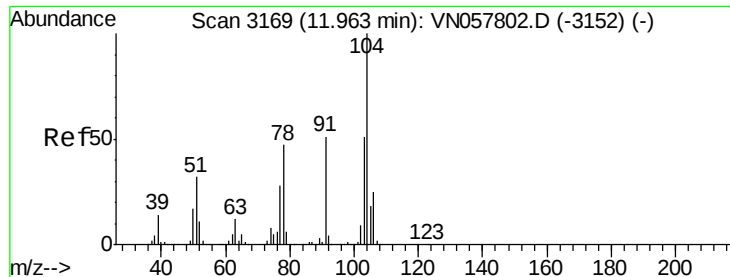
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#69
o-Xylene
Concen: 51.899 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion:106 Resp: 447325
Ion Ratio Lower Upper
106 100
91 220.4 108.7 326.1





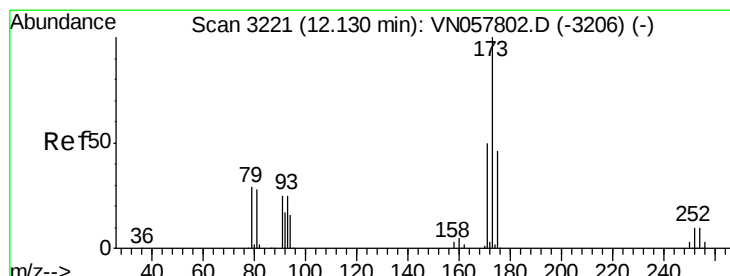
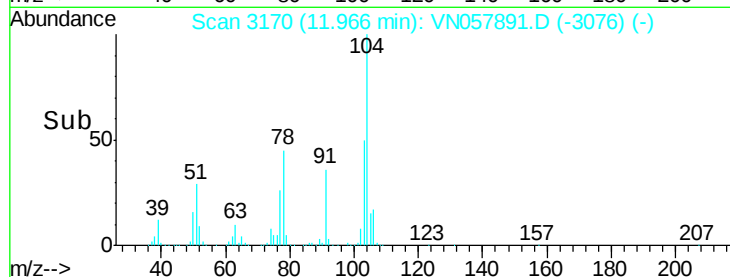
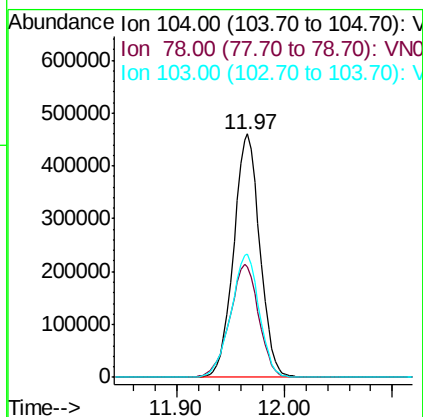
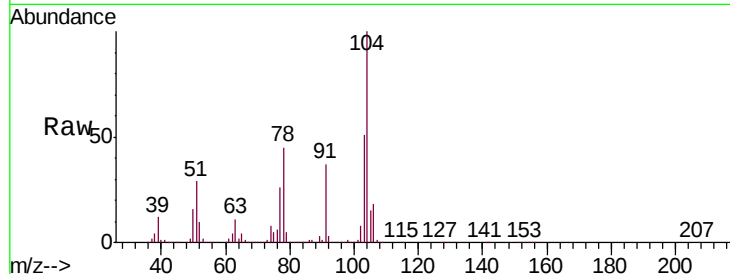
#70
Styrene
Concen: 52.498 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	778724		
78	51.1	41.3	61.9	
103	54.9	43.7	65.5	

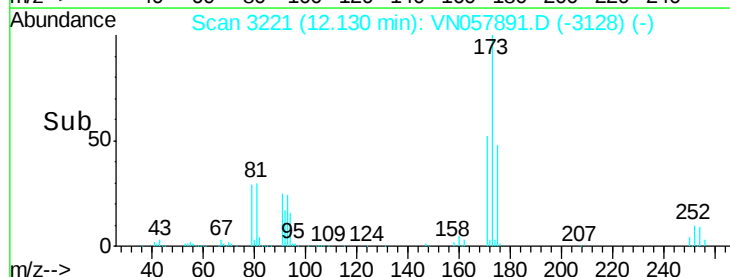
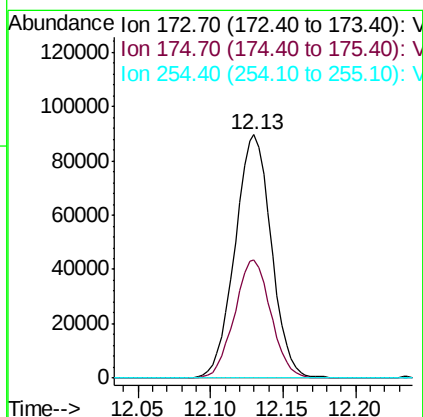
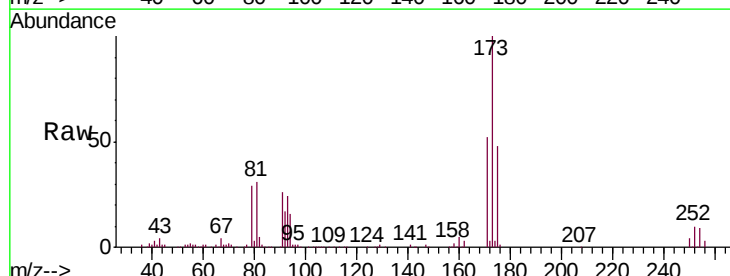
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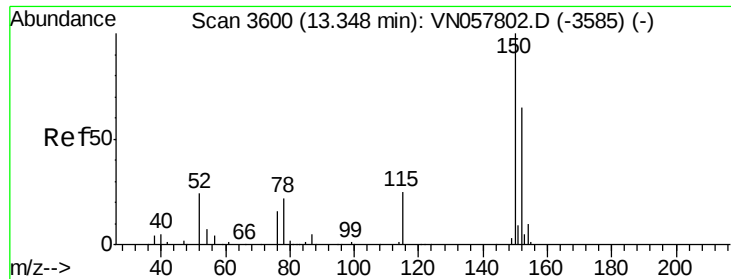
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#71
Bromoform
Concen: 53.465 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	156211		
175	48.3	23.5	70.6	
254	0.0	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: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

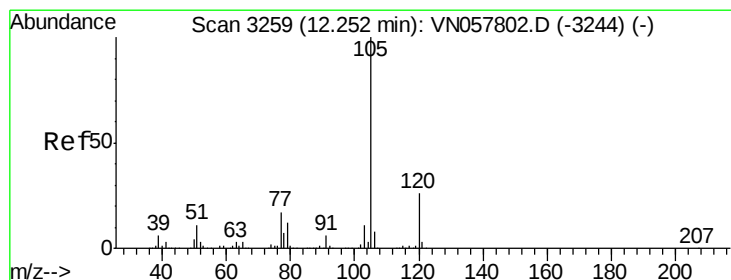
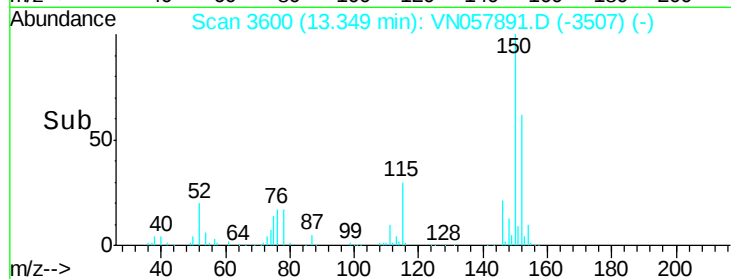
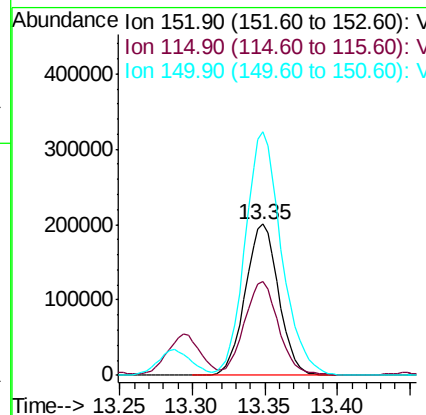
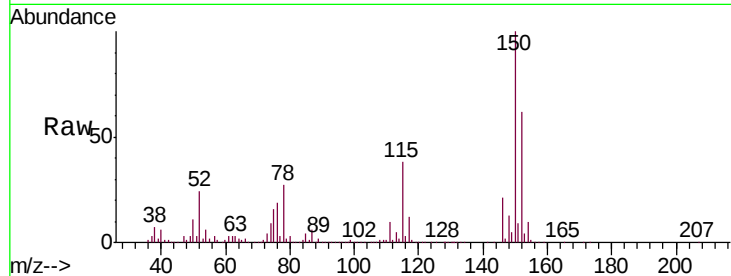
ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion:	152	Resp:	319422
Ion Ratio	Lower	Upper	
152	100		
115	63.1	30.3	91.0
150	175.3	0.0	352.4

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#73

Isopropylbenzene

Concen: 52.433 ug/l

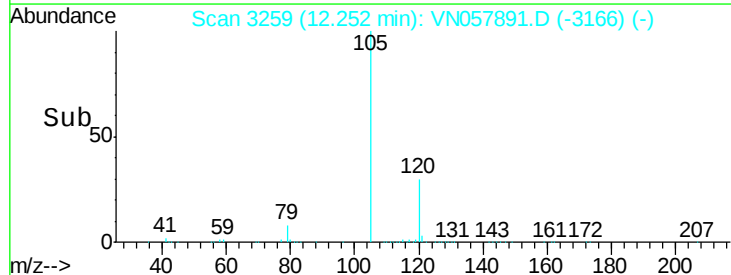
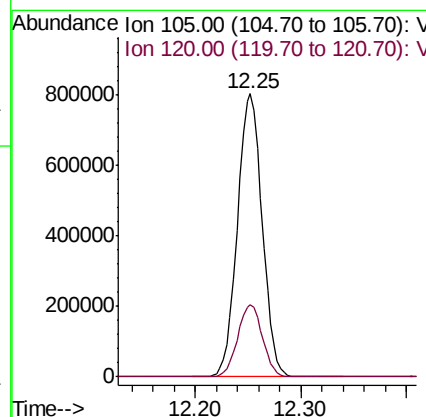
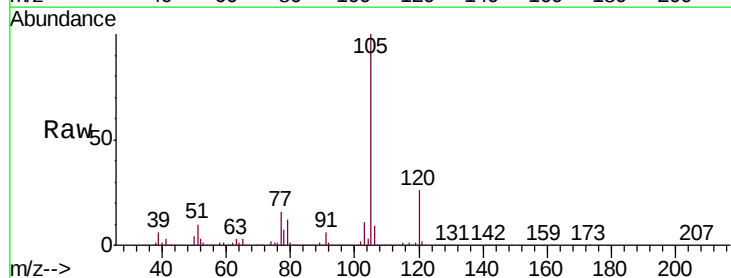
RT: 12.25 min Scan# 3259

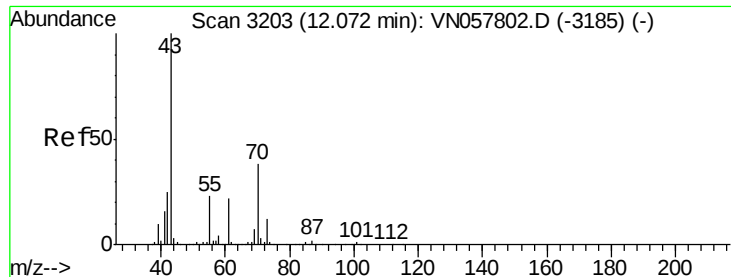
Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Tgt Ion:	105	Resp:	1299617
Ion Ratio	Lower	Upper	
105	100		
120	25.7	12.8	38.4





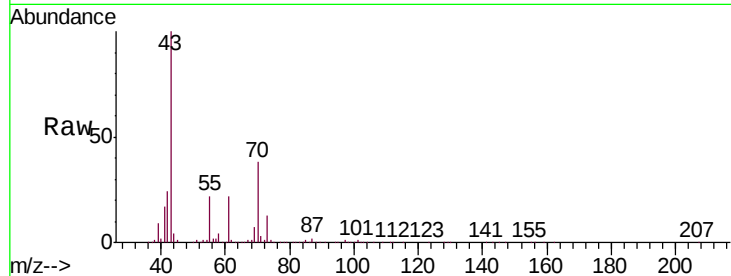
#74
N-amyI acetate
Concen: 51.542 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

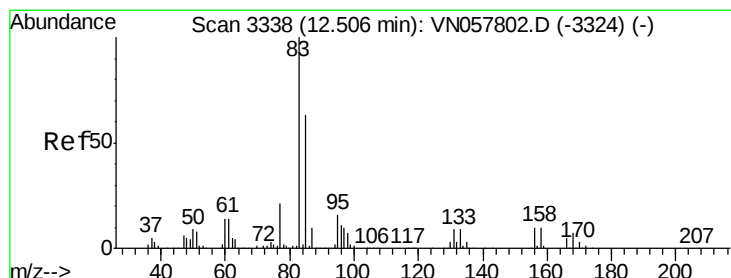
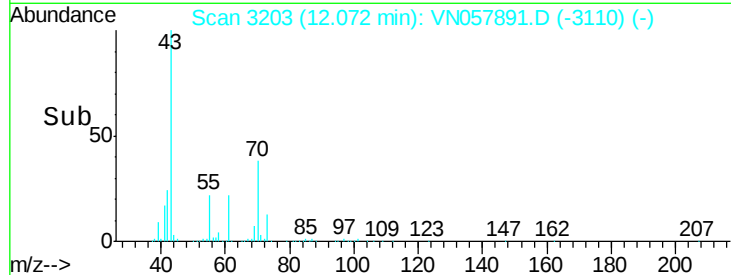
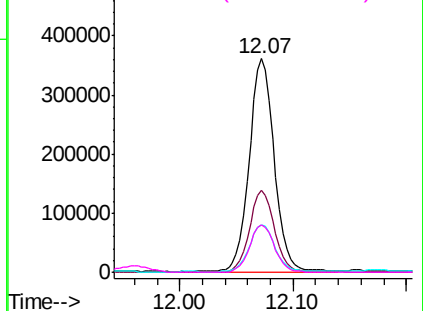
Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.3	30.6	45.8
55	22.9	18.6	27.8
61	22.5	17.4	26.2

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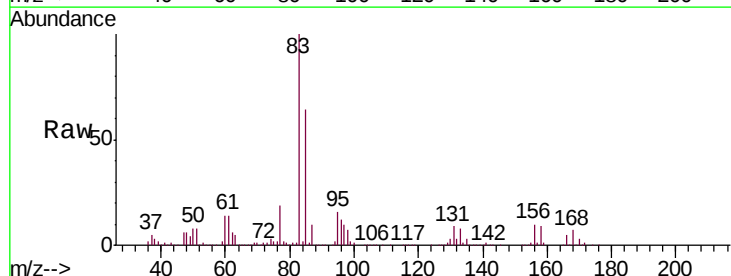


Abundance Ion 43.00 (42.70 to 43.70): VN057891.D (-3110) (-)
Ion 70.00 (69.70 to 70.70): VN057891.D (-3110) (-)
Ion 55.00 (54.70 to 55.70): VN057891.D (-3110) (-)
Ion 61.00 (60.70 to 61.70): VN057891.D (-3110) (-)

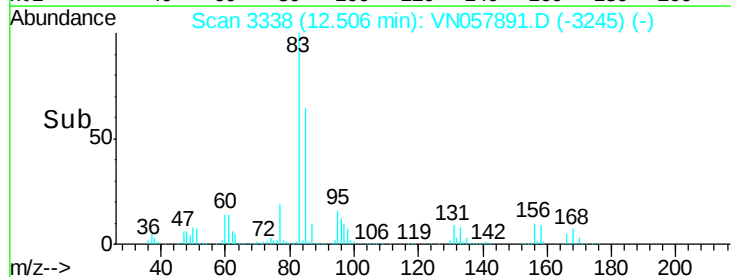
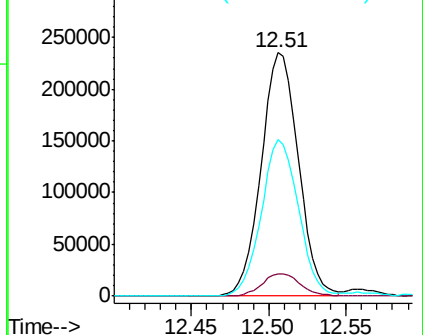


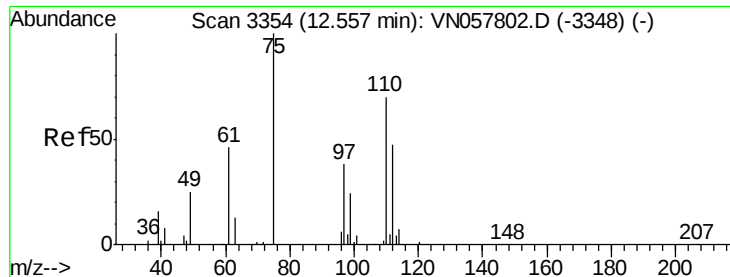
#75
1,1,2,2-Tetrachloroethane
Concen: 47.027 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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



Abundance Ion 82.90 (82.60 to 83.60): VN057891.D (-3245) (-)
Ion 130.80 (130.50 to 131.50): VN057891.D (-3245) (-)
Ion 84.90 (84.60 to 85.60): VN057891.D (-3245) (-)





#76

1,2,3-Trichloropropane

Concen: 48.167 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 75 Resp: 348047
Ion Ratio Lower Upper

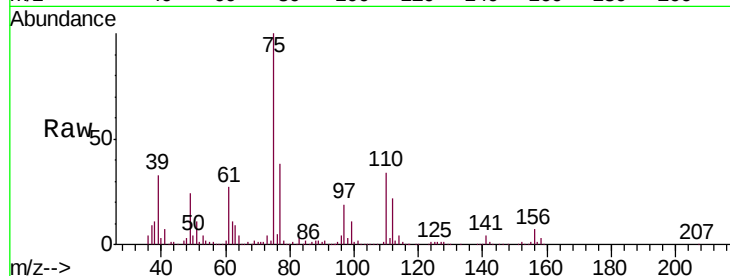
75 100

77 0.0 0.0 0.0

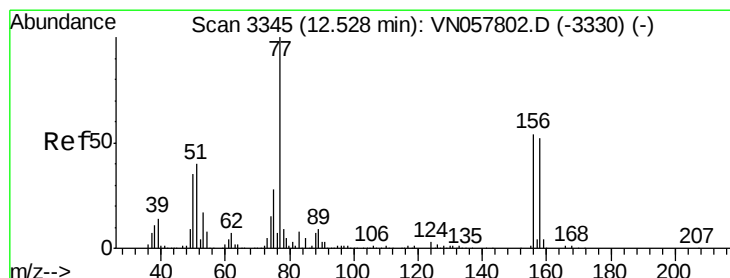
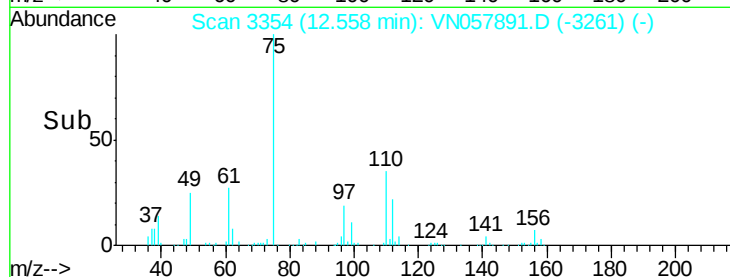
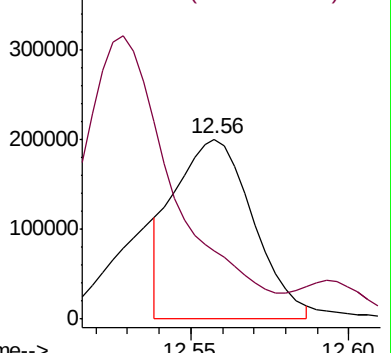
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Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3348) (-)
Ion 77.00 (76.70 to 77.70): VN057802.D (-3348) (-)



#77

Bromobenzene

Concen: 50.208 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057891.D

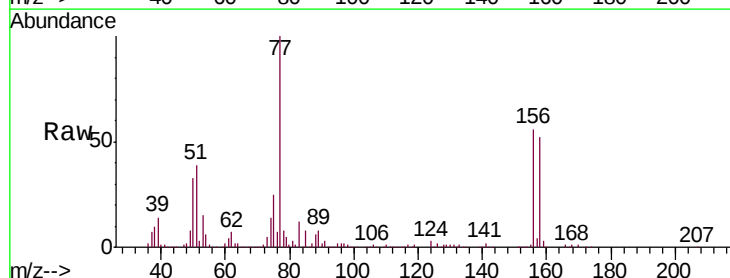
Acq: 11 Sep 2019 1:52

Tgt Ion: 156 Resp: 310273
Ion Ratio Lower Upper

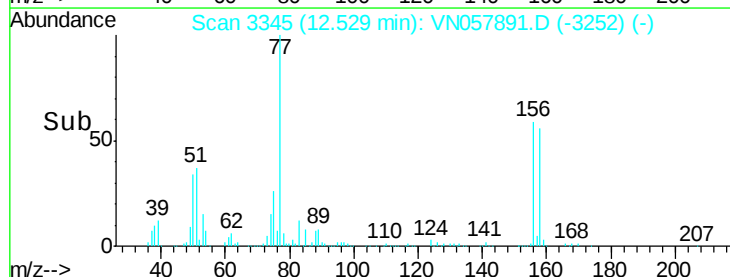
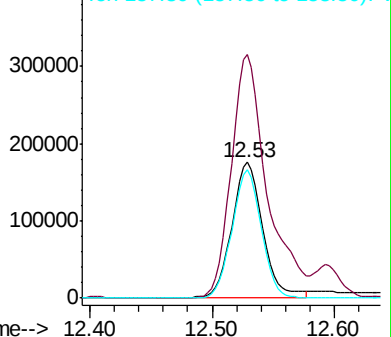
156 100

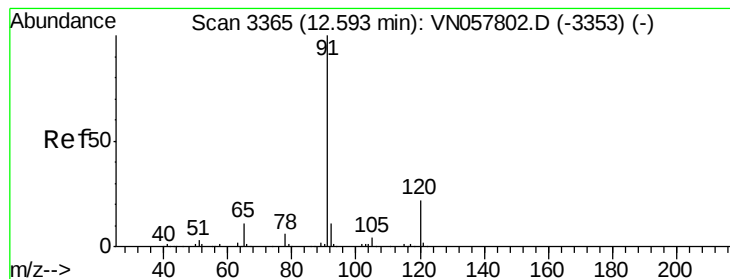
77 208.8 113.7 341.1

158 89.2 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: 56.190 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 91 Resp: 1599298

Ion Ratio Lower Upper

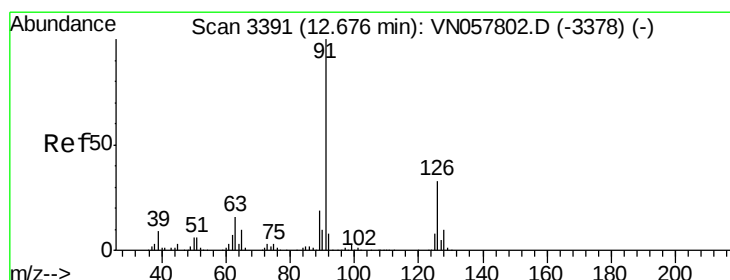
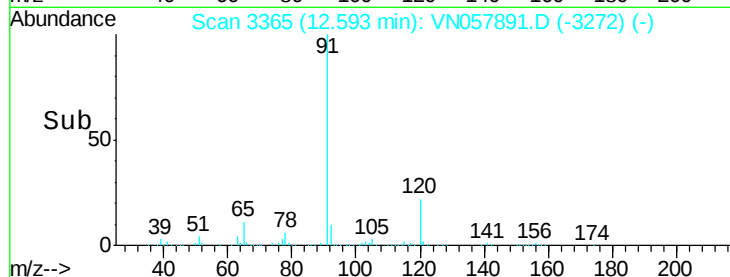
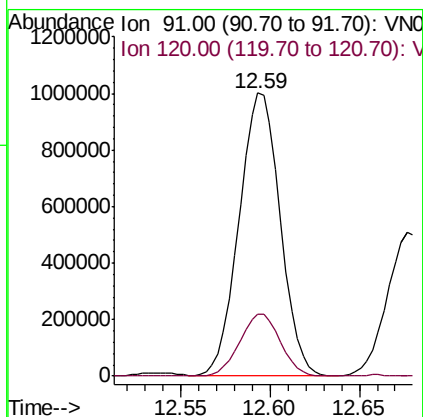
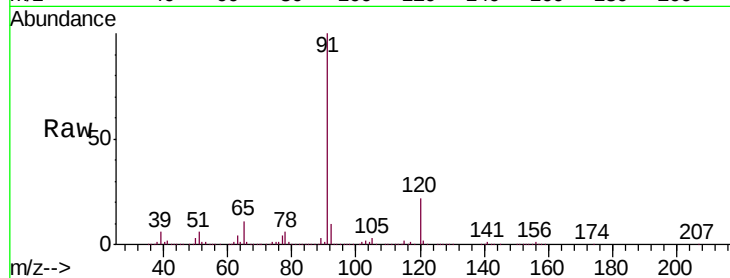
91 100

120 21.9 11.1 33.1

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#79

2-Chlorotoluene

Concen: 46.689 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057891.D

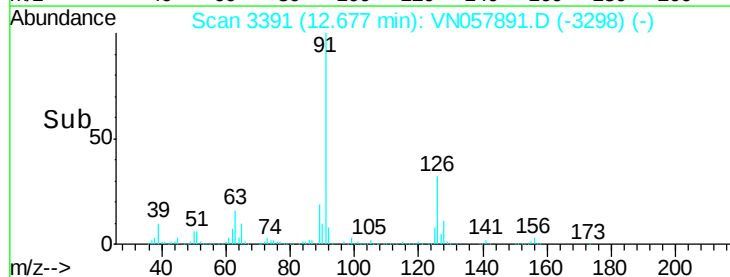
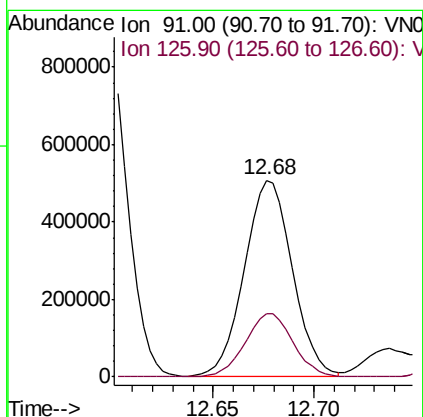
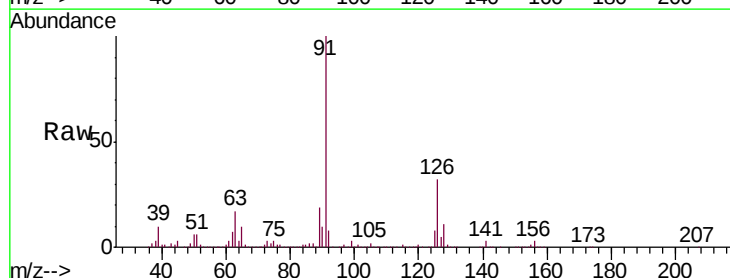
Acq: 11 Sep 2019 1:52

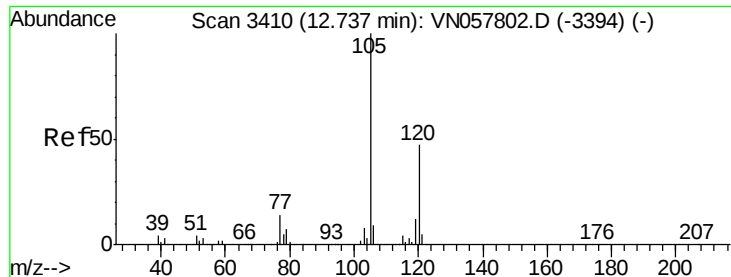
Tgt Ion: 91 Resp: 839880

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.2





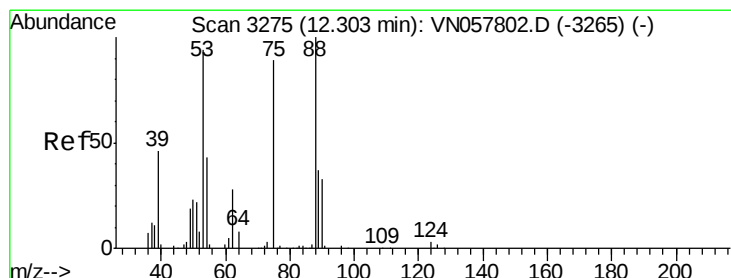
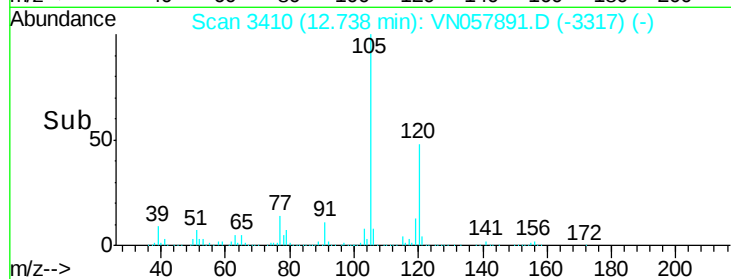
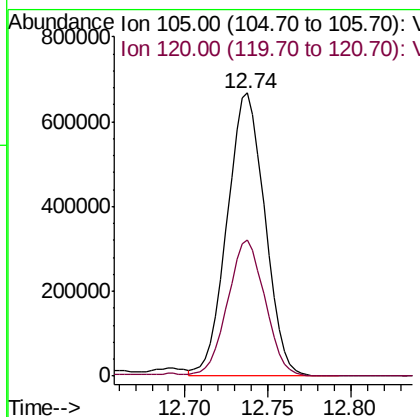
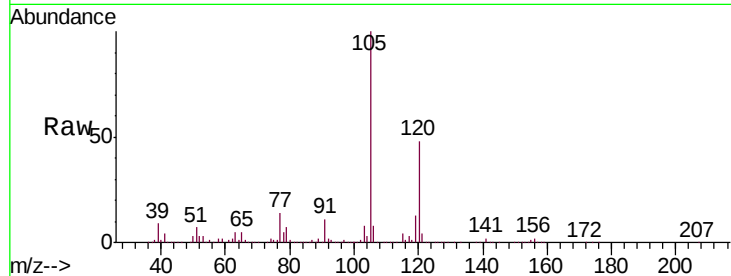
#80
 1,3,5-Trimethylbenzene
 Concen: 50.336 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion: 105 Resp: 1054186
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.7 71.1

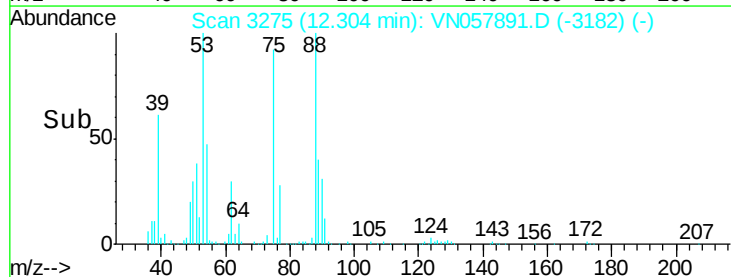
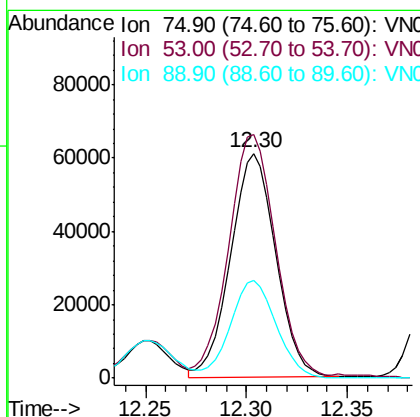
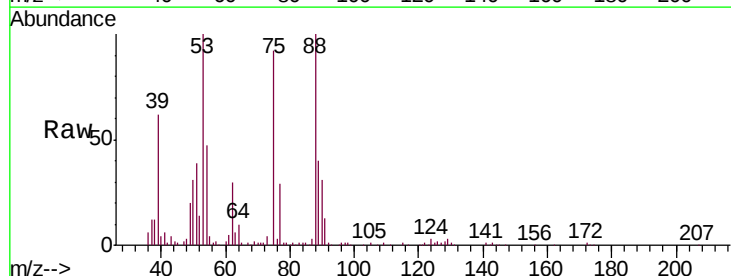
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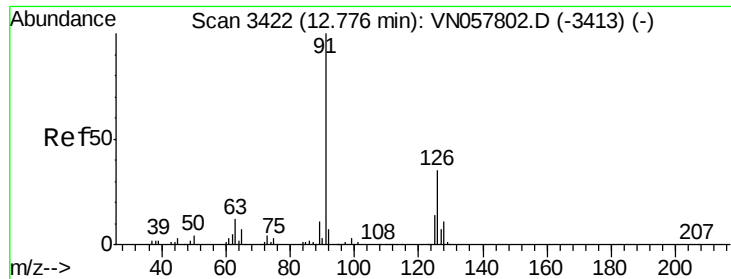
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.395 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion: 75 Resp: 95267
 Ion Ratio Lower Upper
 75 100
 53 114.1 88.4 132.6
 89 44.1 35.3 52.9





#82

4-Chlorotoluene

Concen: 47.716 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion: 91 Resp: 881475

Ion Ratio Lower Upper

91 100

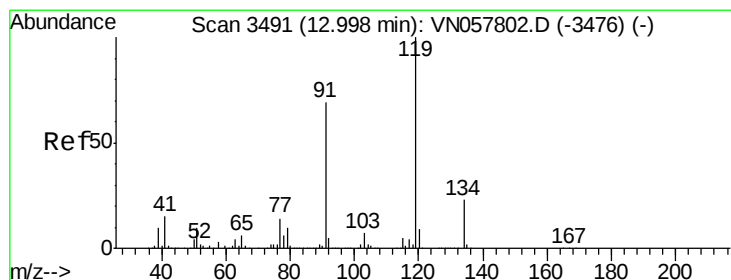
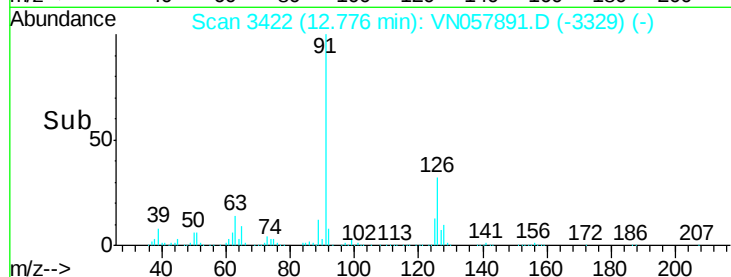
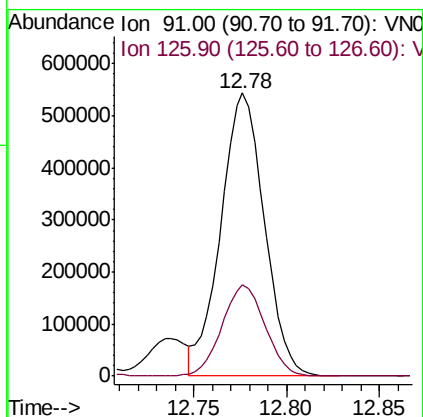
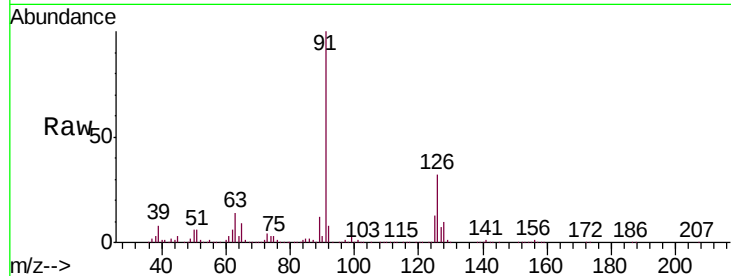
126 32.0 16.0 48.0

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#83

tert-Butylbenzene

Concen: 47.952 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

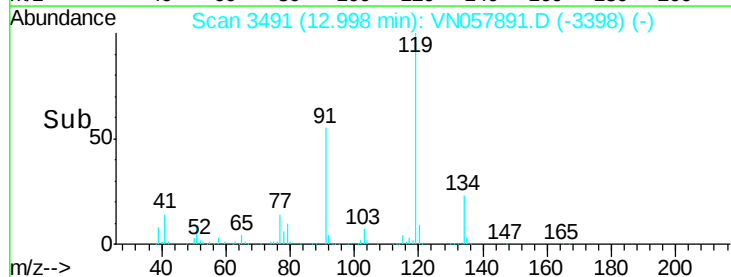
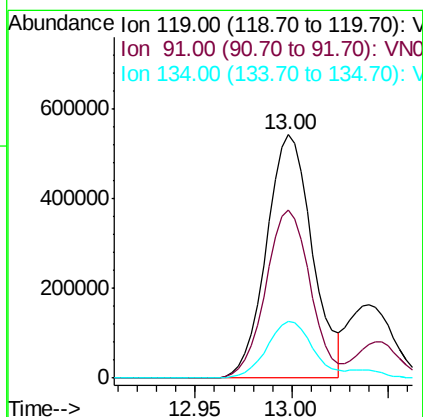
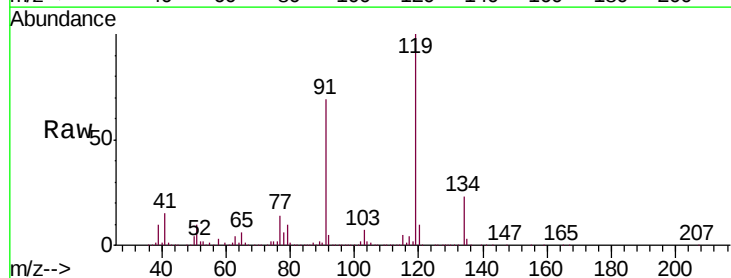
Tgt Ion: 119 Resp: 892683

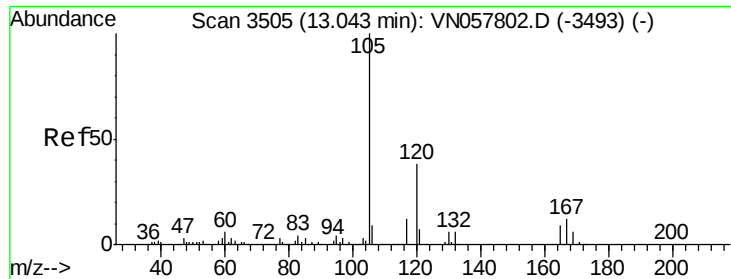
Ion Ratio Lower Upper

119 100

91 67.6 33.6 100.8

134 23.3 11.7 35.0





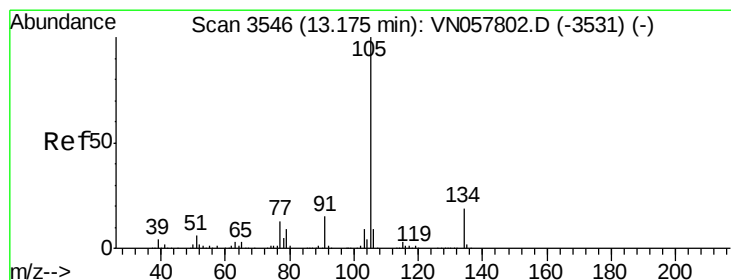
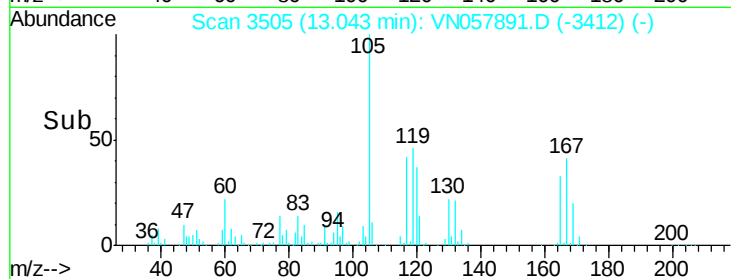
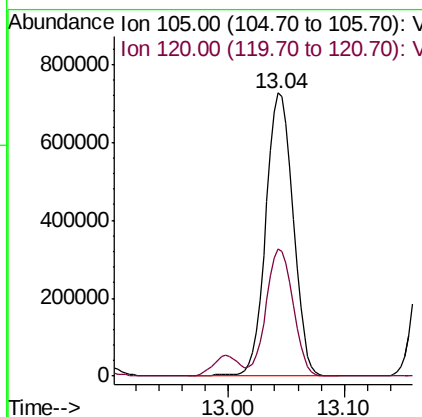
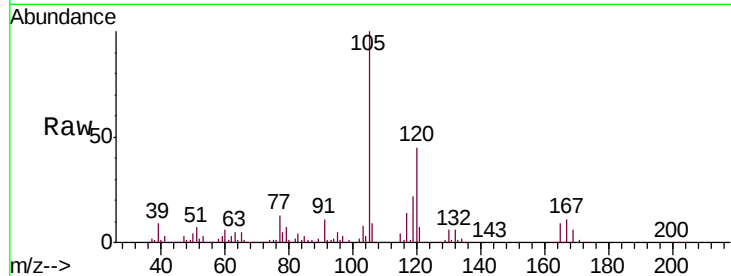
#84
1,2,4-Trimethylbenzene
Concen: 55.705 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion:105 Resp: 1185695
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.2

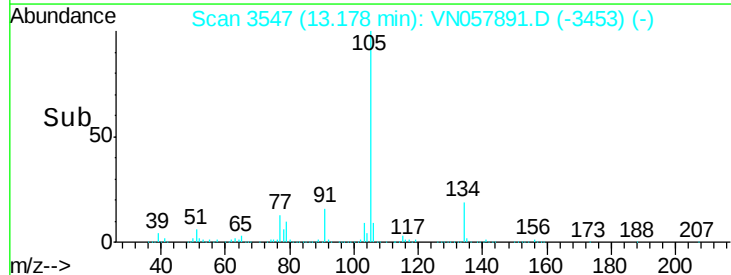
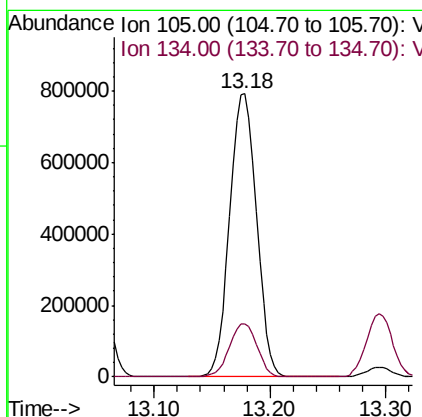
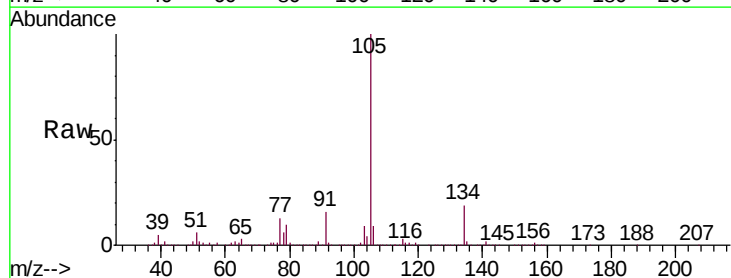
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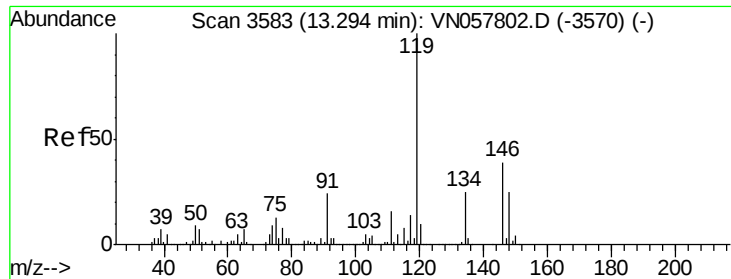
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#85
sec-Butylbenzene
Concen: 51.410 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion:105 Resp: 1268497
Ion Ratio Lower Upper
105 100
134 19.5 9.6 28.6





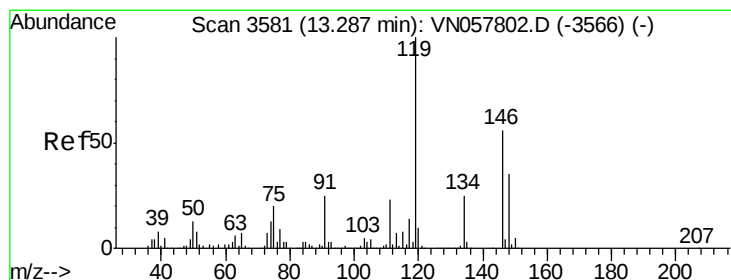
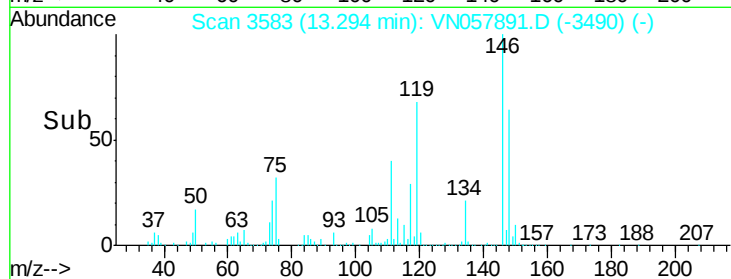
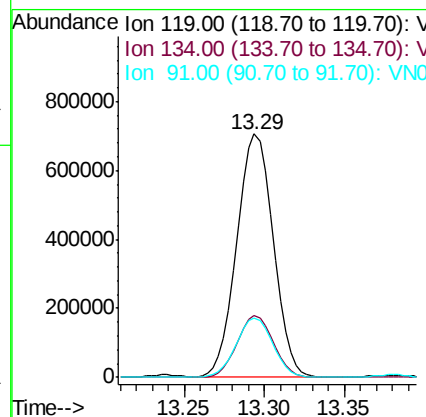
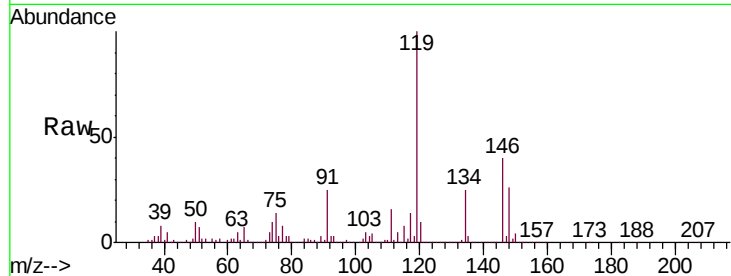
#86
 p-Isopropyltoluene
 Concen: 50.337 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.5	37.5
91	24.3	12.3	36.8

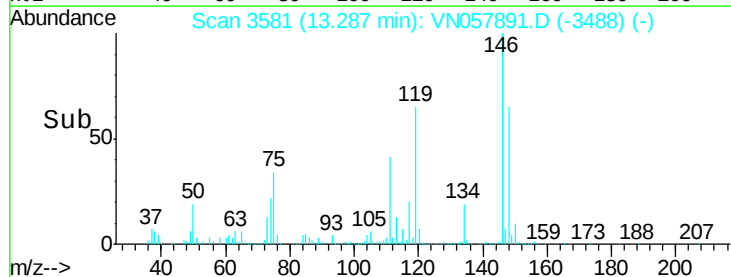
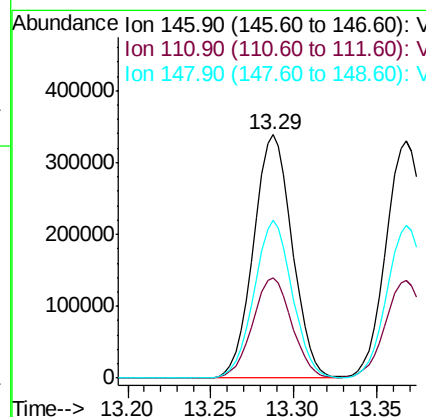
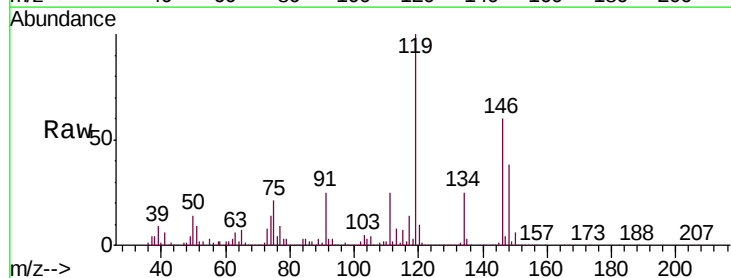
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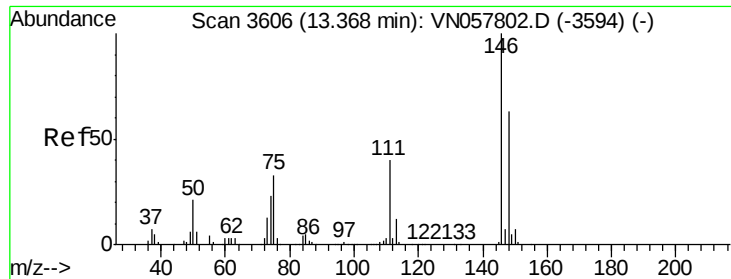
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#87
 1,3-Dichlorobenzene
 Concen: 48.466 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.6
148	63.9	31.5	94.5





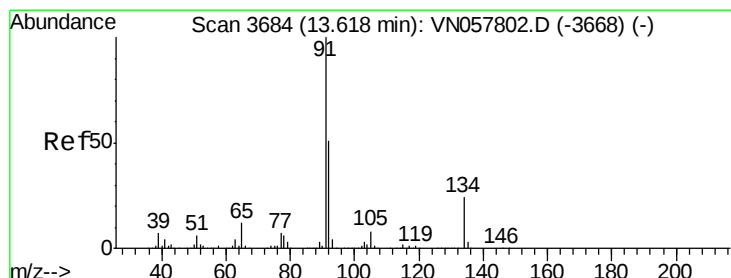
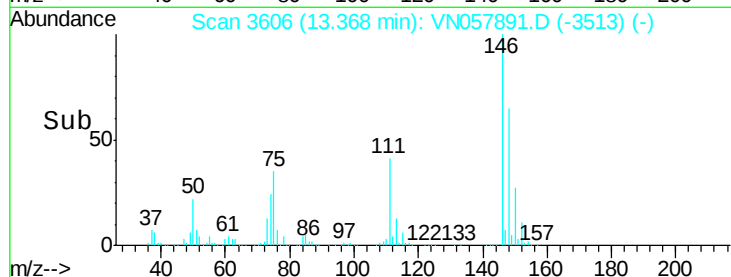
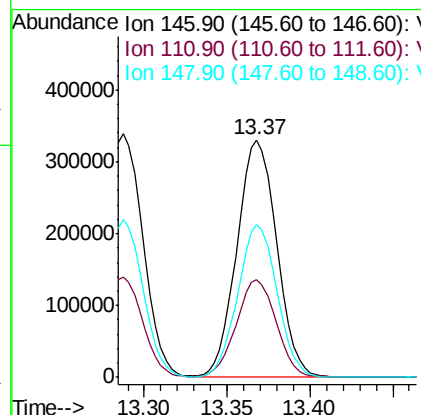
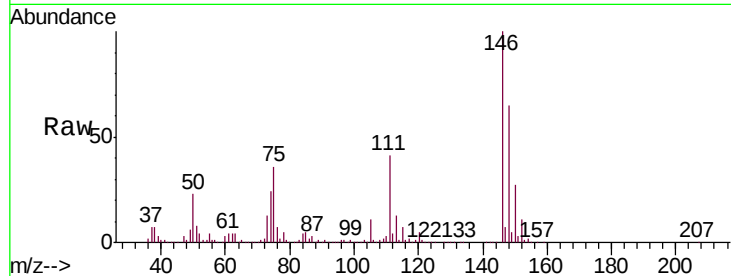
#88
 1,4-Dichlorobenzene
 Concen: 47.897 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.2
148	63.5	31.8	95.4

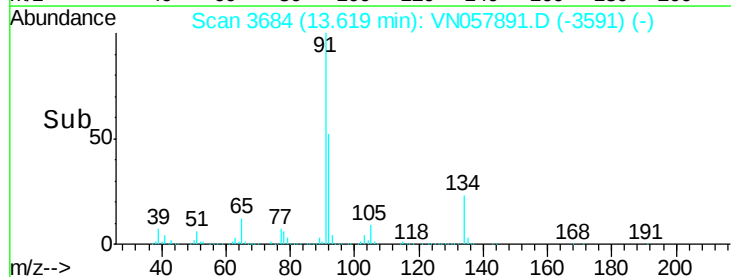
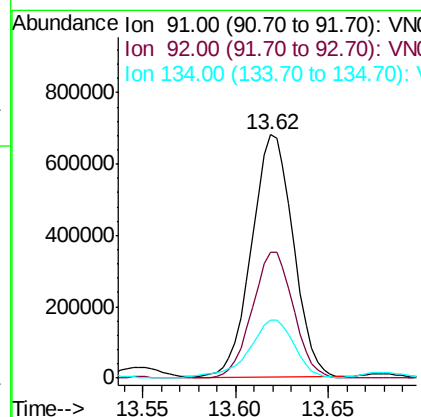
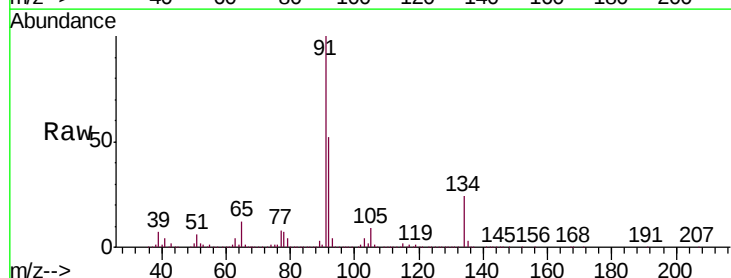
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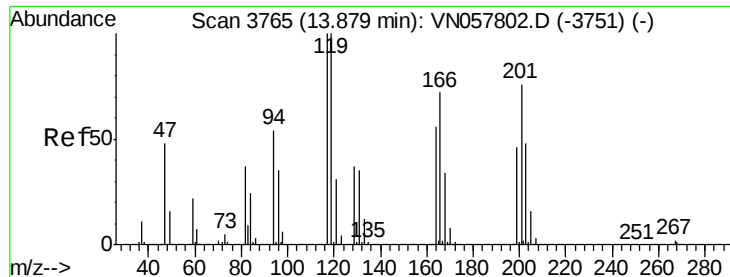
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#89
 n-Butylbenzene
 Concen: 51.443 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.0
134	26.4	11.9	35.7





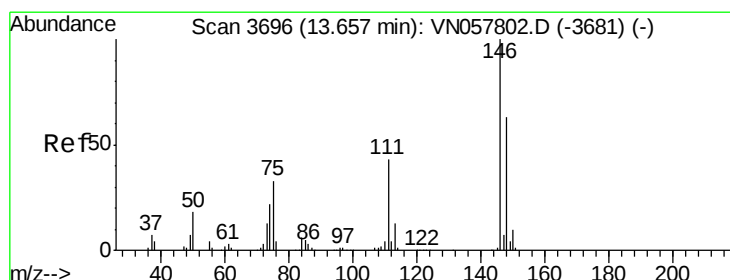
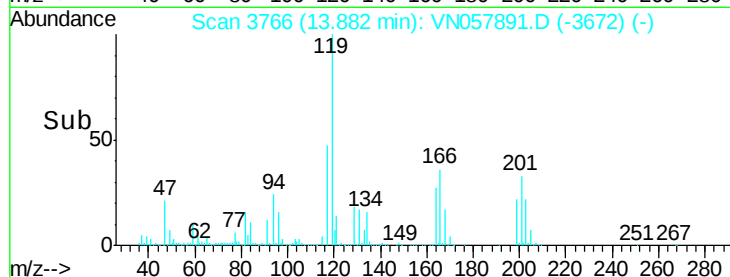
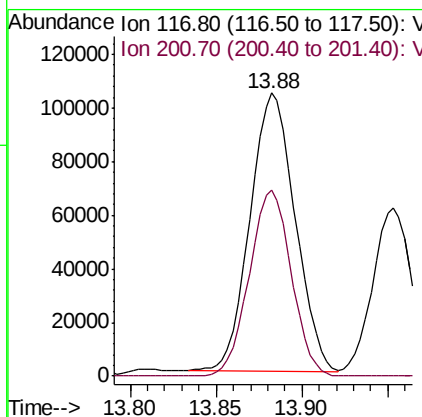
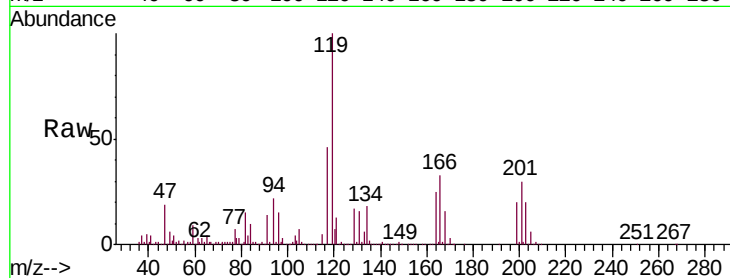
#90
Hexachloroethane
Concen: 58.016 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

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

Tgt Ion:117 Resp: 187583
Ion Ratio Lower Upper
117 100
201 62.4 37.5 112.7

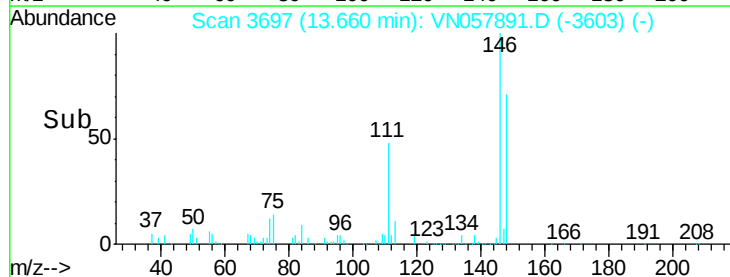
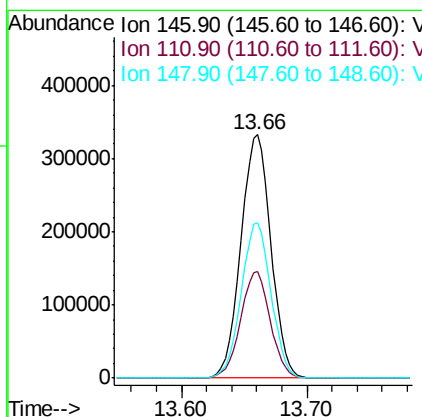
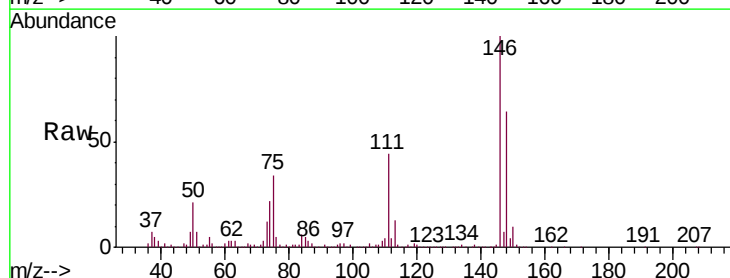
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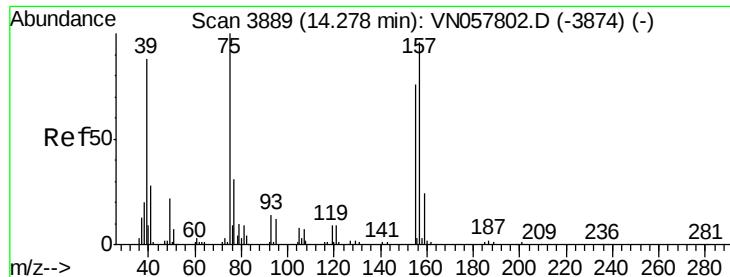
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#91
1,2-Dichlorobenzene
Concen: 48.970 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN057891.D
Acq: 11 Sep 2019 1:52

Tgt Ion:146 Resp: 554928
Ion Ratio Lower Upper
146 100
111 43.0 21.3 63.9
148 63.5 31.4 94.3





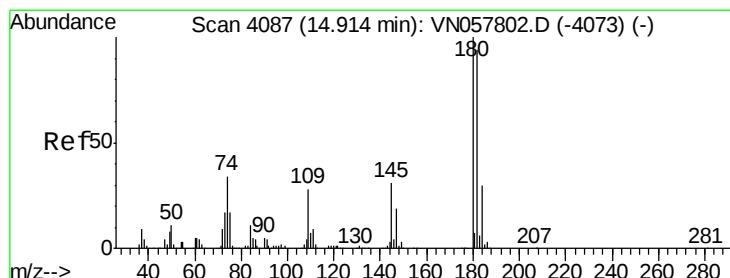
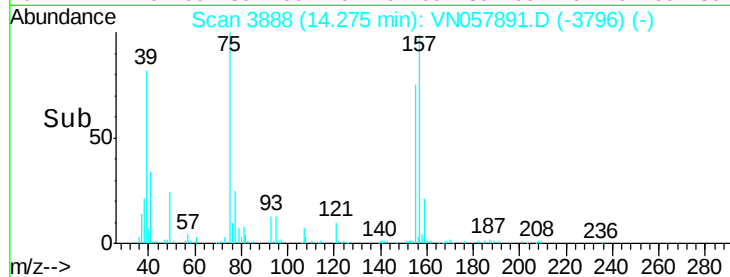
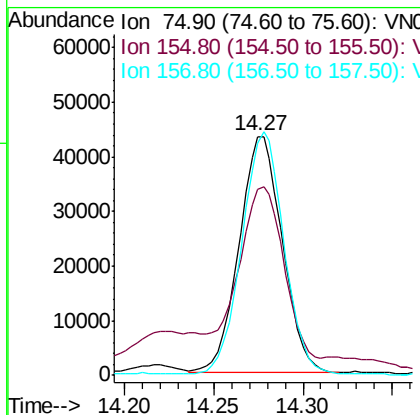
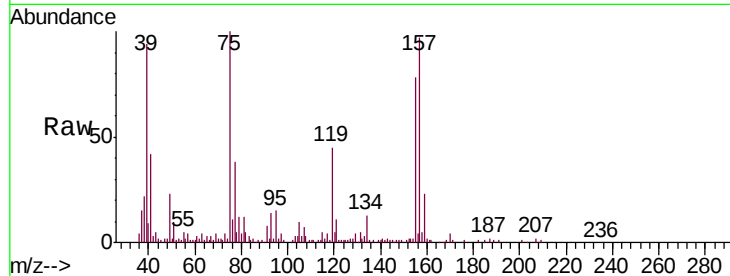
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.029 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	37.3	111.8
157	99.8	47.9	143.8

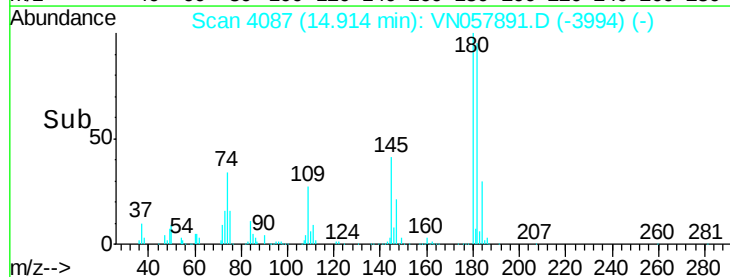
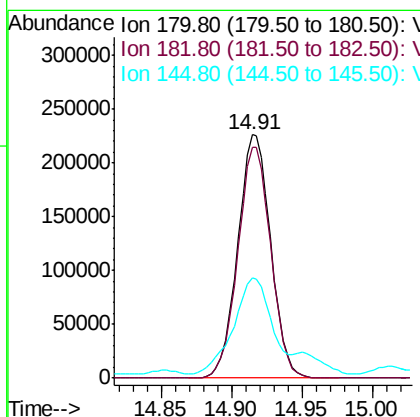
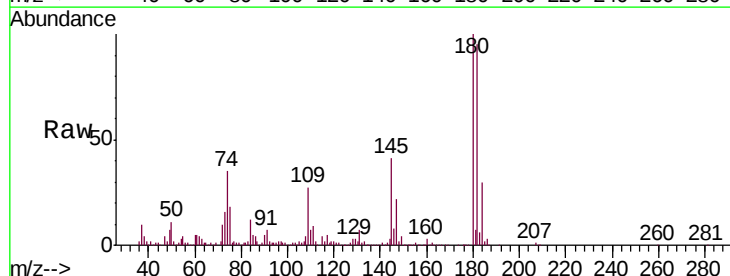
Manual Integrations
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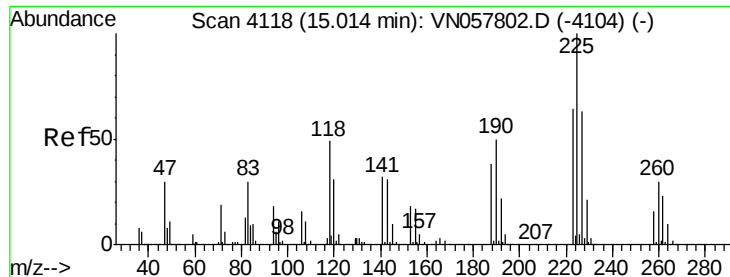
MMDadoda
 9/13/2019 7:06:22 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.920 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.9	140.8
145	46.0	14.9	44.7#





#94

Hexachlorobutadiene

Concen: 47.942 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Instrument :

MSVOA_N

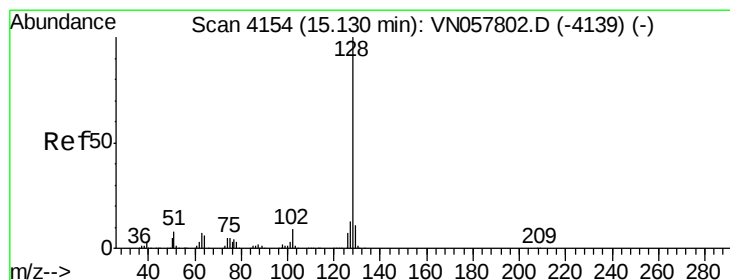
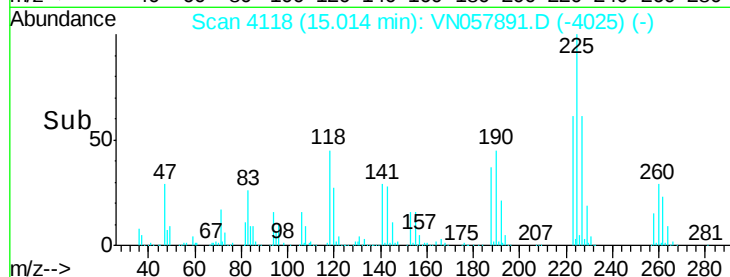
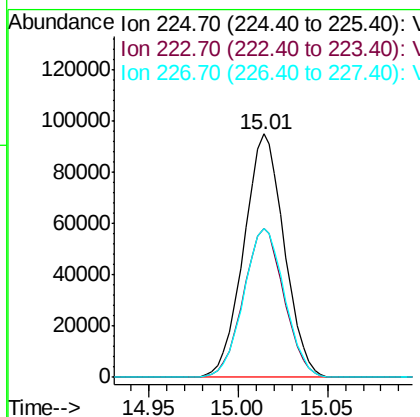
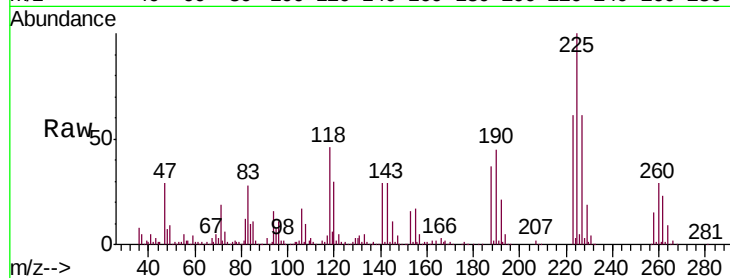
ClientSampleId :

T11-MW-9-9.0-091019MSD

Tgt Ion:	225	Resp:	150527
Ion Ratio		Lower	Upper
225	100		
223	61.3	32.4	97.2
227	61.9	31.8	95.4

Manual Integrations
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#95

Naphthalene

Concen: 176.600 ug/l

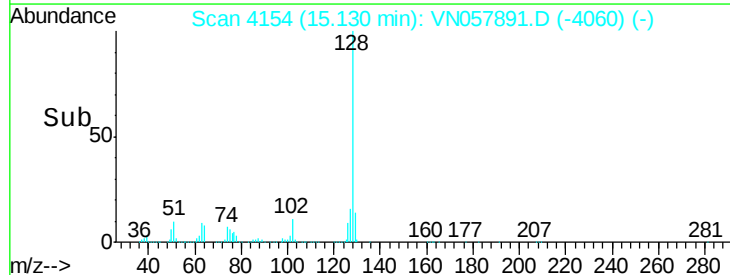
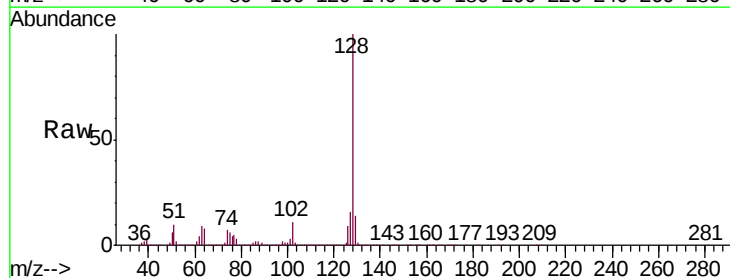
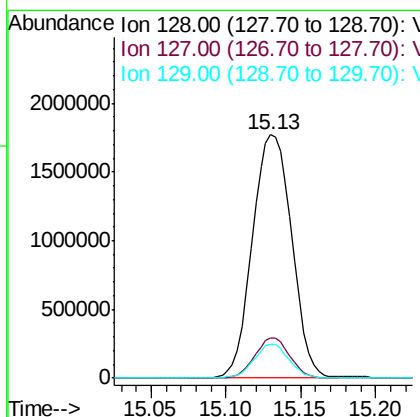
RT: 15.13 min Scan# 4154

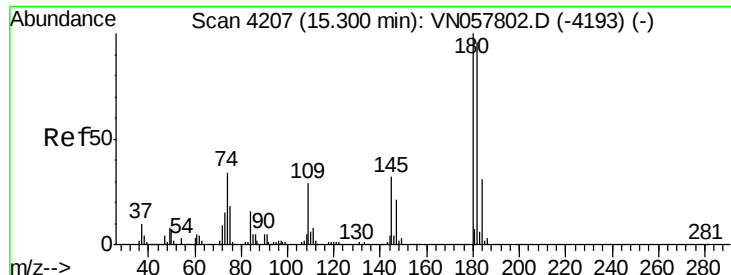
Delta R.T. 0.00 min

Lab File: VN057891.D

Acq: 11 Sep 2019 1:52

Tgt Ion:	128	Resp:	3227860
Ion Ratio		Lower	Upper
128	100		
127	14.7	10.3	15.5
129	12.2	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 56.534 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057891.D
 Acq: 11 Sep 2019 1:52

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.7	48.3	144.8
145	50.1	16.3	48.8#

Manual Integrations
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 9/13/2019 7:06:22 AM

