

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057902.D
 Acq On : 11 Sep 2019 6:38
 Operator : JC/SP
 Sample : VN0911WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:07:03 AM

Quant Time: Sep 11 07:31:41 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	302344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	513280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	323553	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	7.57	113	228031	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.09	98	936112	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.40	95	322762	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85932	20.552	ug/l	98
3) Chloromethane	2.03	50	80470	18.882	ug/l	97
4) Vinyl Chloride	2.16	62	85588	18.976	ug/l	98
5) Bromomethane	2.54	94	47100	18.030	ug/l	90
6) Chloroethane	2.68	64	55147	19.188	ug/l	99
7) Trichlorofluoromethane	2.99	101	105787	18.637	ug/l	98
8) Diethyl Ether	3.39	74	46915	19.817	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72117	20.141	ug/l	97
10) Methyl Iodide	3.93	142	56915	14.284	ug/l	100
11) Tert butyl alcohol	4.77	59	76766	103.574	ug/l	100
12) 1,1-Dichloroethene	3.71	96	61359	19.059	ug/l	98
13) Acrolein	3.59	56	45352	72.124	ug/l	99
14) Allyl chloride	4.30	41	108432	17.210	ug/l	97
15) Acrylonitrile	4.96	53	204704	100.484	ug/l	100
16) Acetone	3.80	43	176504	87.923	ug/l	96
17) Carbon Disulfide	4.03	76	86238	17.315	ug/l	98
18) Methyl Acetate	4.30	43	112333	20.987	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	279565	20.866	ug/l	97
20) Methylene Chloride	4.53	84	82823	20.957	ug/l	94
21) trans-1,2-Dichloroethene	5.02	96	67366	19.357	ug/l	92
22) Diisopropyl ether	5.93	45	302604	20.481	ug/l	97
23) Vinyl Acetate	5.87	43	1052045	100.471	ug/l	99
24) 1,1-Dichloroethane	5.83	63	163122	20.201	ug/l	100
25) 2-Butanone	6.82	43	285658	98.316	ug/l	97
26) 2,2-Dichloropropane	6.80	77	75968	11.888	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	94738	20.313	ug/l	95
28) Bromochloromethane	7.18	49	84408	20.923	ug/l	100
29) Tetrahydrofuran	7.19	42	181747	101.512	ug/l	99
30) Chloroform	7.36	83	171341	20.294	ug/l	100
31) Cyclohexane	7.64	56	117900	20.088	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	131450	19.630	ug/l	100
36) 1,1-Dichloropropene	7.78	75	110514	18.565	ug/l	98
37) Ethyl Acetate	6.91	43	113109	18.391	ug/l	98
38) Carbon Tetrachloride	7.76	117	101643	18.702	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	108720	17.374	ug/l	97
40) Benzene	8.03	78	346056	19.310	ug/l	98
41) Methacrylonitrile	7.17	41	60637m	21.720	ug/l	
42) 1,2-Dichloroethane	8.11	62	143493	20.020	ug/l	100
43) Isopropyl Acetate	8.15	43	195749	18.926	ug/l #	90
44) Trichloroethene	8.83	130	83612	19.022	ug/l	97
45) 1,2-Dichloropropane	9.11	63	101029	19.373	ug/l	99
46) Dibromomethane	9.20	93	62954	19.977	ug/l	98
47) Bromodichloromethane	9.40	83	122625	19.487	ug/l	98
48) Methyl methacrylate	9.19	41	98469	18.769	ug/l	98
49) 1,4-Dioxane	9.19	88	33885	381.920	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	628363	102.665	ug/l	99
52) Toluene	10.15	92	217695	19.286	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	113356	17.106	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	129052	17.639	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	94684	19.803	ug/l	99
56) Ethyl methacrylate	10.43	69	137987	19.164	ug/l	98
57) 1,3-Dichloropropane	10.71	76	162775	19.754	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	342415	100.971	ug/l	99
59) 2-Hexanone	10.75	43	444374	96.865	ug/l	100
60) Dibromochloromethane	10.90	129	80946	18.231	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86731	19.187	ug/l	100
64) Tetrachloroethene	10.63	164	70877	20.046	ug/l	96
65) Chlorobenzene	11.43	112	244734	19.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83873	19.287	ug/l	99
67) Ethyl Benzene	11.51	91	437730	19.930	ug/l	99
68) m/p-Xylenes	11.62	106	315871	39.262	ug/l	99
69) o-Xylene	11.95	106	162255	20.287	ug/l	98
70) Styrene	11.97	104	273874	19.897	ug/l	100
71) Bromoform	12.13	173	47973	17.694	ug/l #	99
73) Isopropylbenzene	12.25	105	437314	20.818	ug/l	100
74) N-amyl acetate	12.07	43	179323	19.615	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	138574	19.593	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	112410m	18.356	ug/l	
77) Bromobenzene	12.53	156	103142	19.694	ug/l	96
78) n-propylbenzene	12.60	91	504997	20.936	ug/l	99
79) 2-Chlorotoluene	12.68	91	302935	19.870	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	370246	20.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25737	14.789	ug/l	89
82) 4-Chlorotoluene	12.78	91	307067	19.613	ug/l	99
83) tert-Butylbenzene	13.00	119	317818	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	367501	20.372	ug/l	100
85) sec-Butylbenzene	13.18	105	434258	20.767	ug/l	99
86) p-Isopropyltoluene	13.29	119	378208	20.527	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	188954	19.656	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	190901	19.564	ug/l	99
89) n-Butylbenzene	13.62	91	341523	19.628	ug/l	99
90) Hexachloroethane	13.88	117	51607	18.833	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	189049	19.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22389	19.168	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	109925	17.512	ug/l	97
94) Hexachlorobutadiene	15.01	225	49468	18.590	ug/l	97
95) Naphthalene	15.13	128	324910	19.546	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	107418	20.208	ug/l	100

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

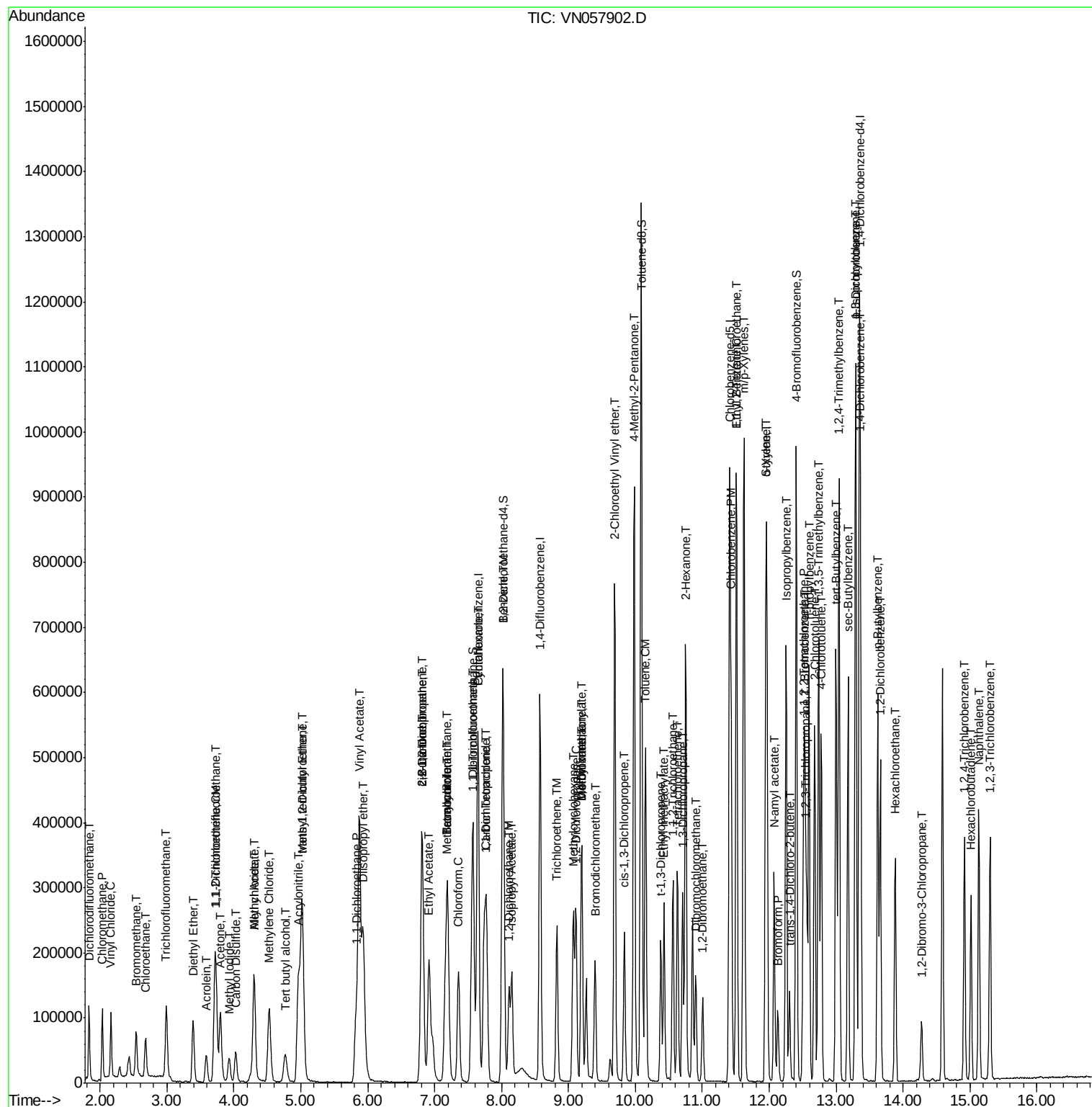
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
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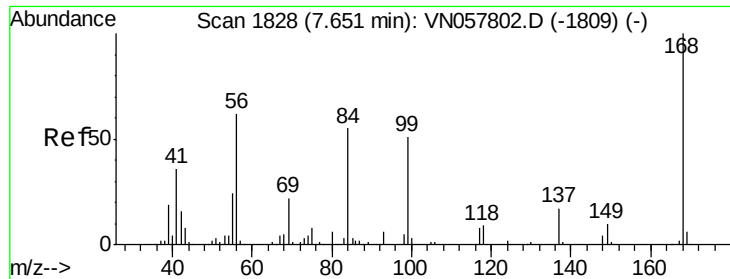
Instrument :
MSVOA_N
Client Sample Id :
VN0911WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tot Ion:168 Resp: 302344

Ion Ratio Lower Upper

168 100

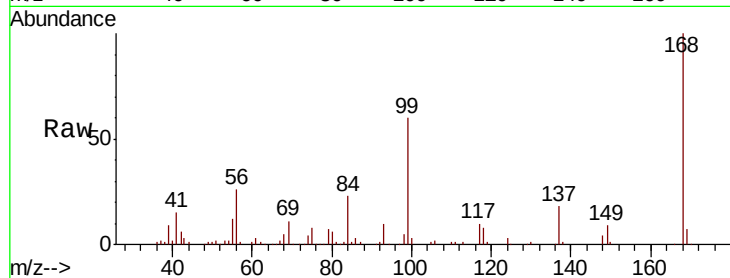
99 60.0 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

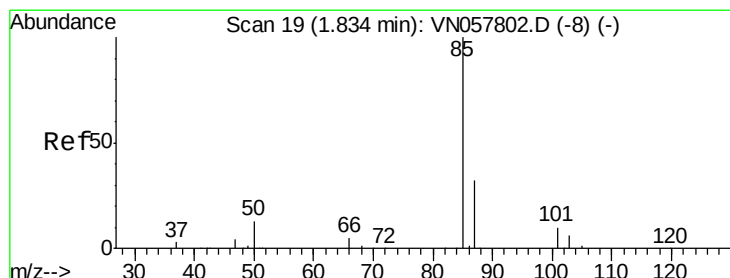
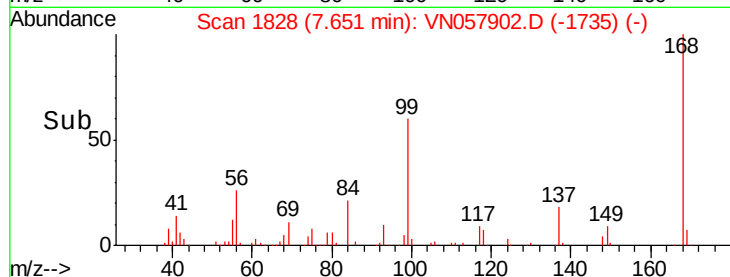
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.552 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057902.D

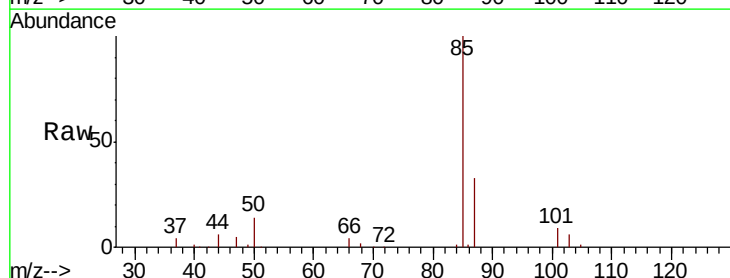
Acq: 11 Sep 2019 6:38

Tgt Ion: 85 Resp: 85932

Ion Ratio Lower Upper

85 100

87 33.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

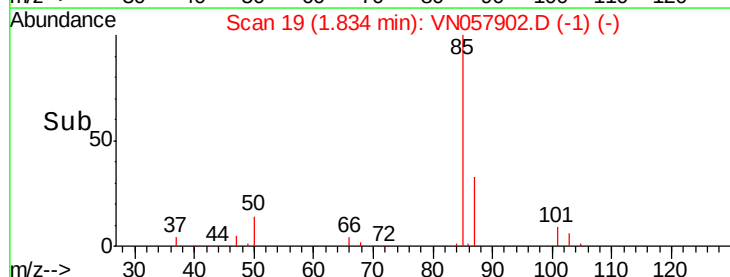
40000

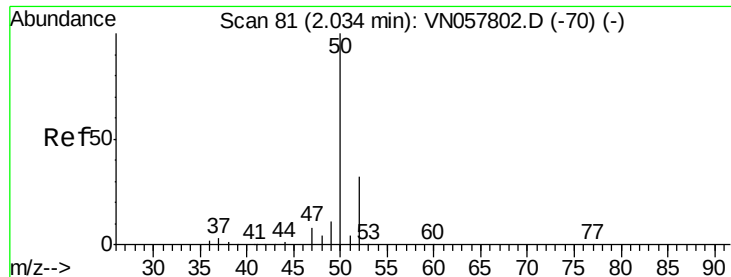
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.882 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD02

Tot Ion: 50 Resp: 80470

Ion Ratio Lower Upper

50 100

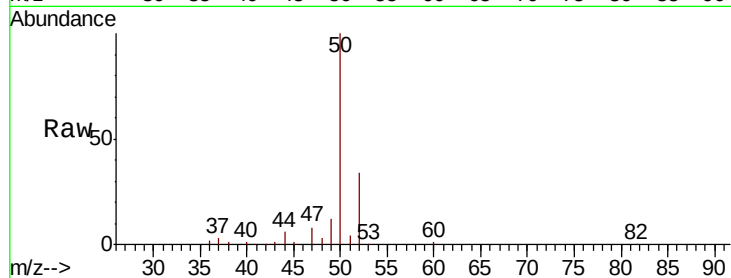
52 33.8 25.5 38.3

Manual Integrations

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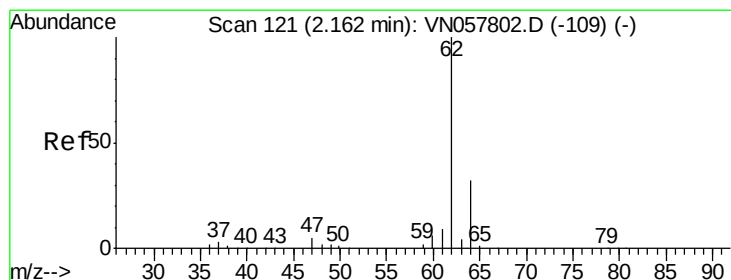
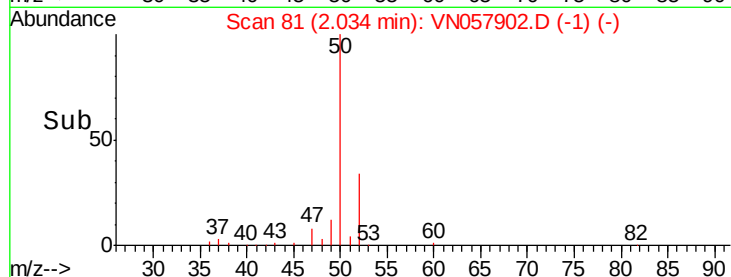
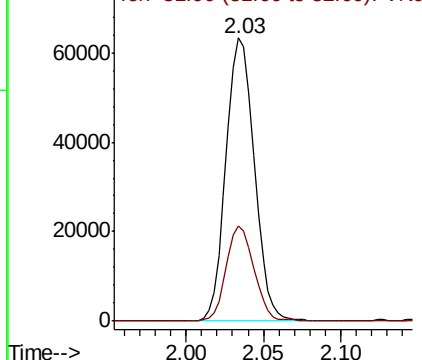
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.976 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057902.D

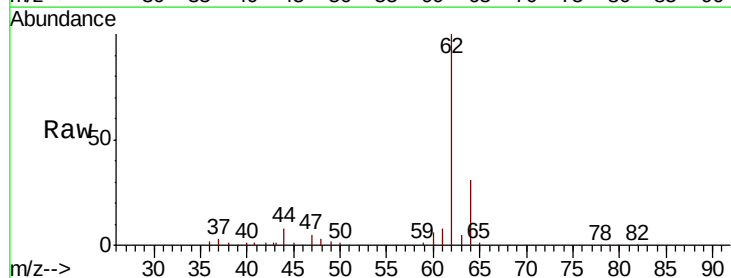
Acq: 11 Sep 2019 6:38

Tgt Ion: 62 Resp: 85588

Ion Ratio Lower Upper

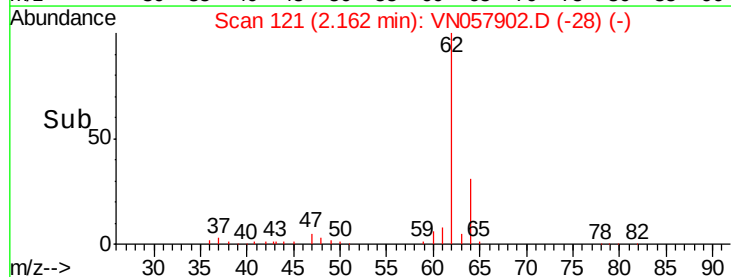
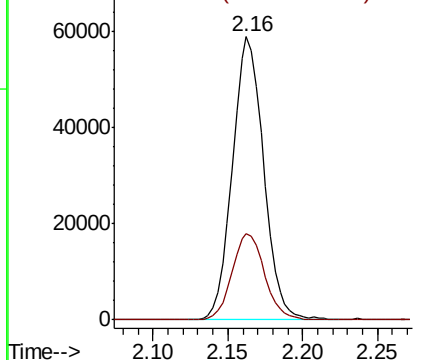
62 100

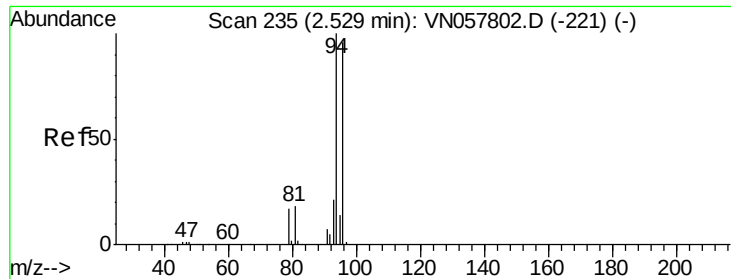
64 30.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.030 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

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Tot Ion: 94 Resp: 47100

Ion Ratio Lower Upper

94 100

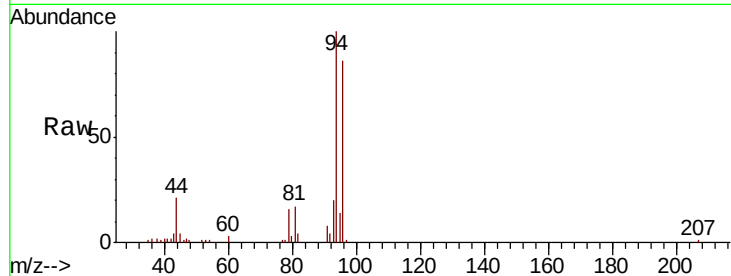
96 86.0 77.0 115.4

Manual Integrations

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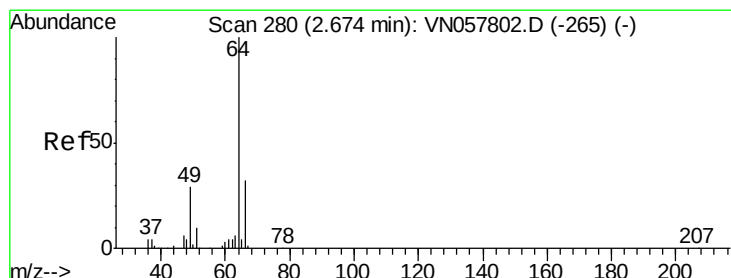
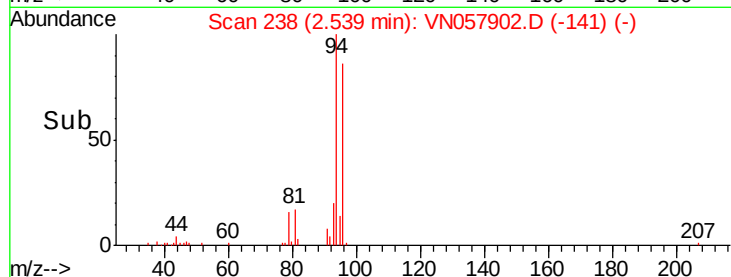
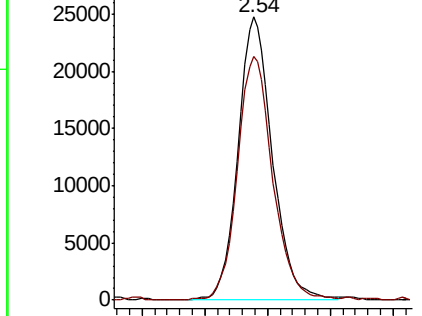
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.188 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057902.D

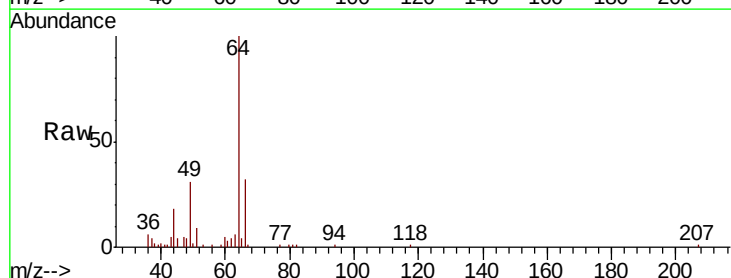
Acq: 11 Sep 2019 6:38

Tgt Ion: 64 Resp: 55147

Ion Ratio Lower Upper

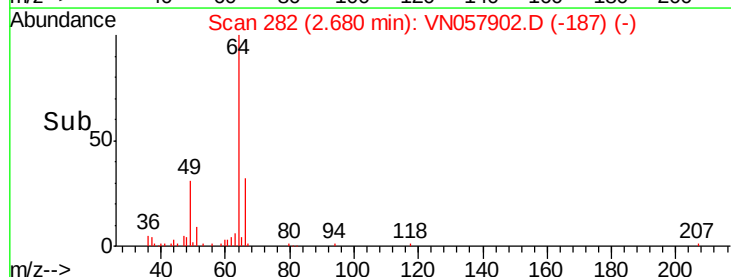
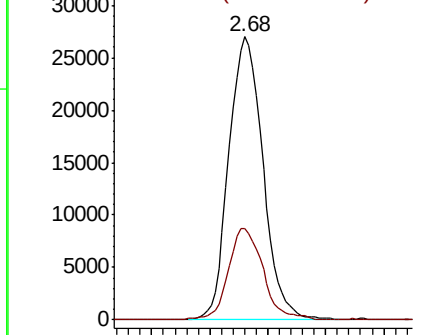
64 100

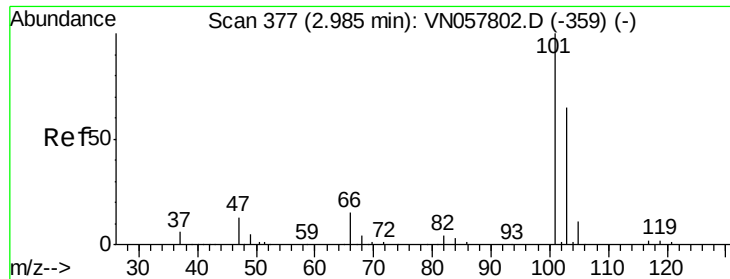
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

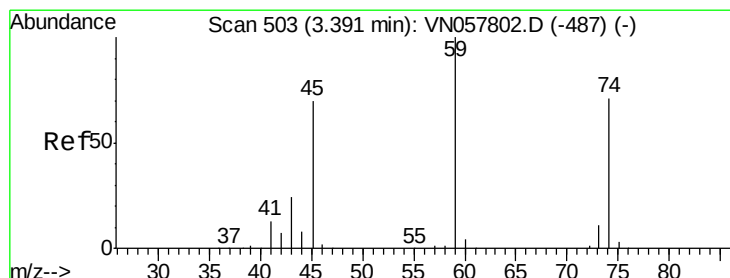
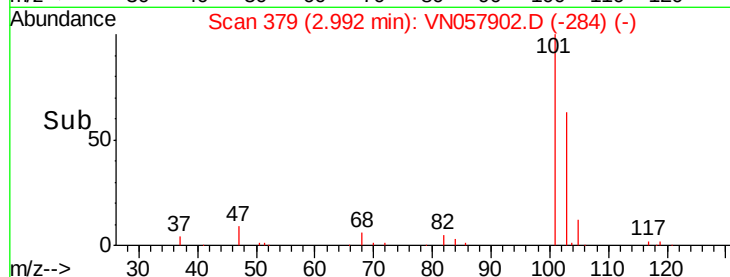
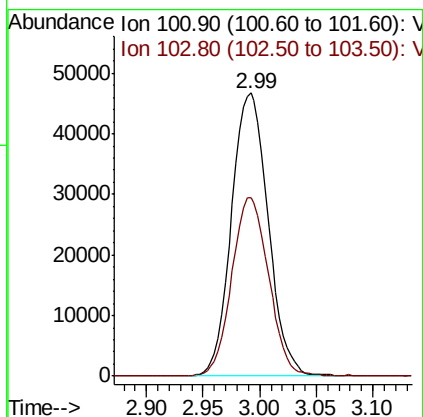
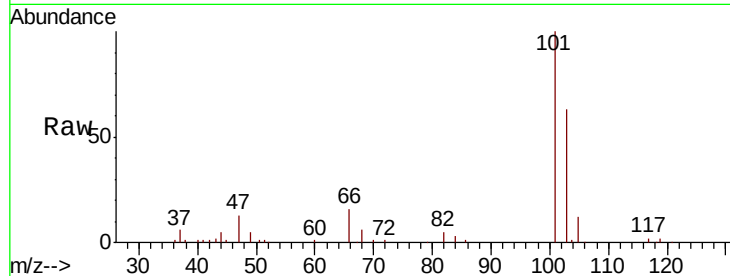
Trichlorofluoromethane
Concen: 18.637 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.01 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.9	77.9

Manual Integrations
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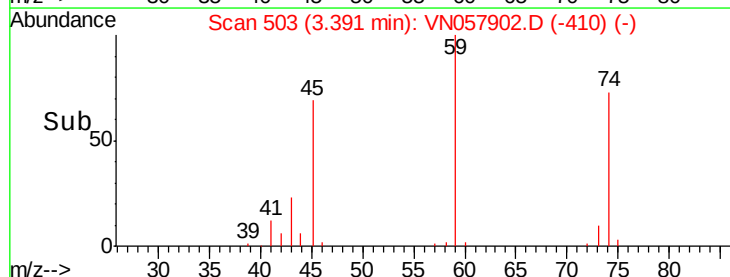
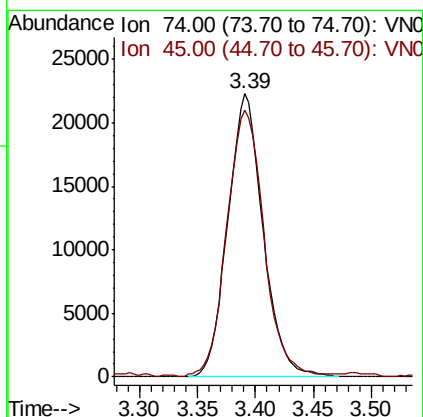
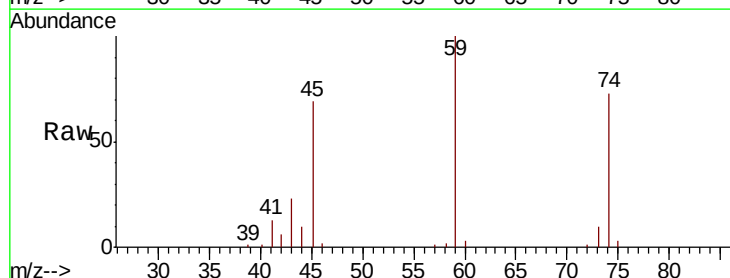
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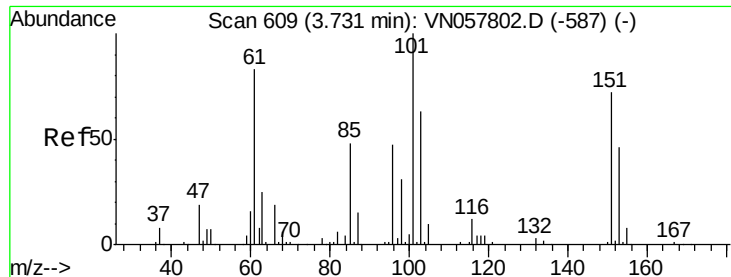


#8

Diethyl Ether
Concen: 19.817 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.141 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

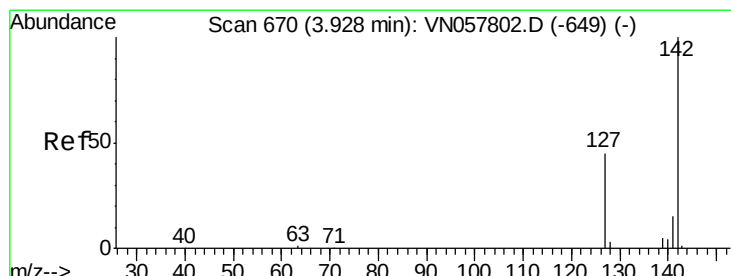
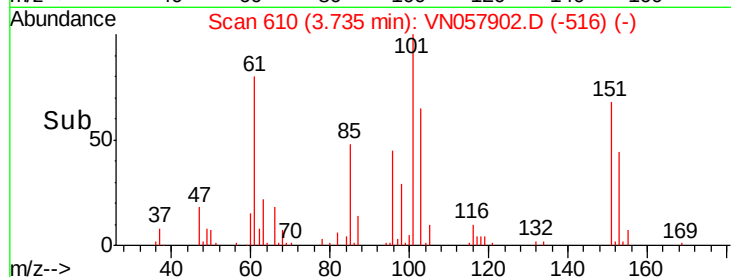
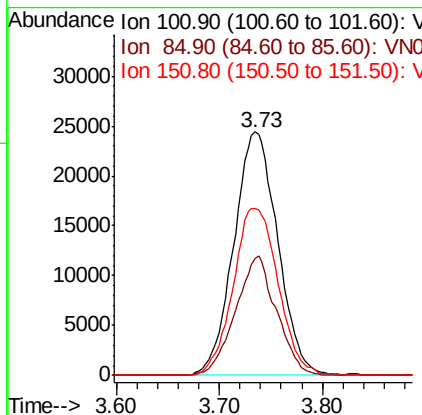
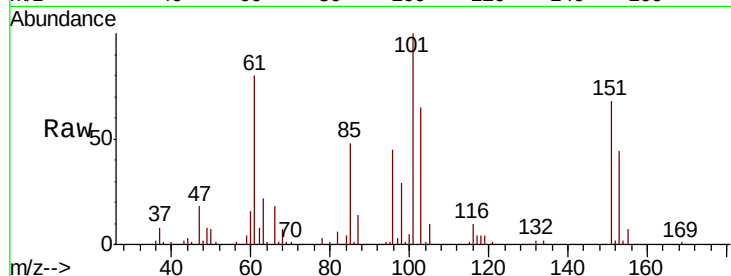
ClientSampleId :

VN0911WBSD02

Tot Ion:	101	Resp:	72117
Ion Ratio	Lower	Upper	
101	100		
85	45.8	38.1	57.1
151	70.4	58.4	87.6

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#10

Methyl Iodide

Concen: 14.284 ug/l

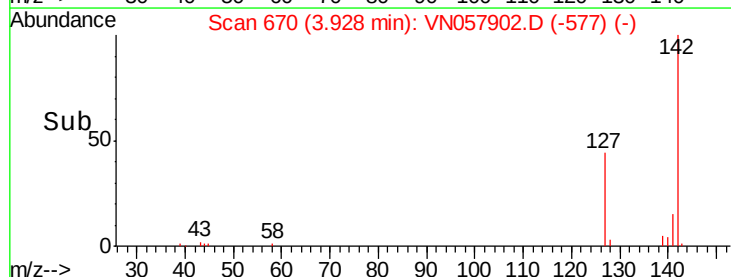
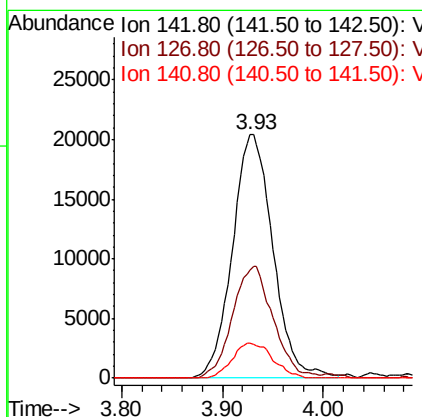
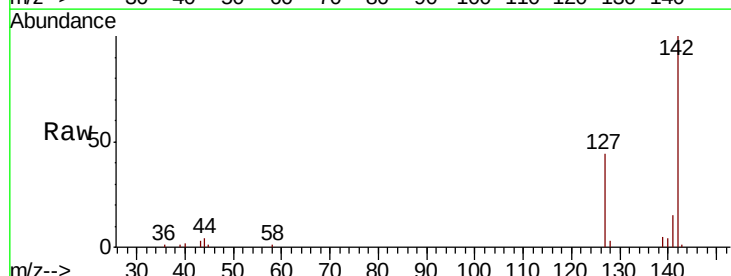
RT: 3.93 min Scan# 670

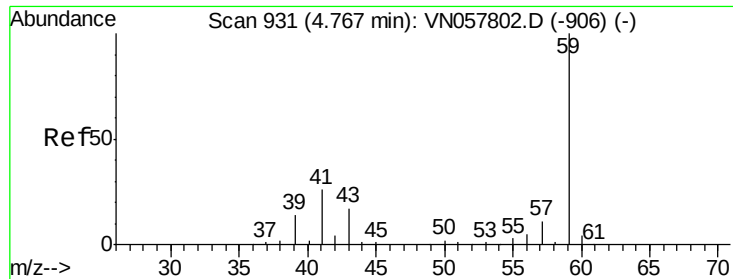
Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion:	142	Resp:	56915
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.4	11.4	17.0





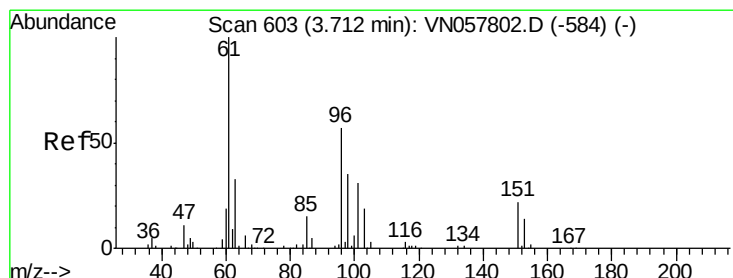
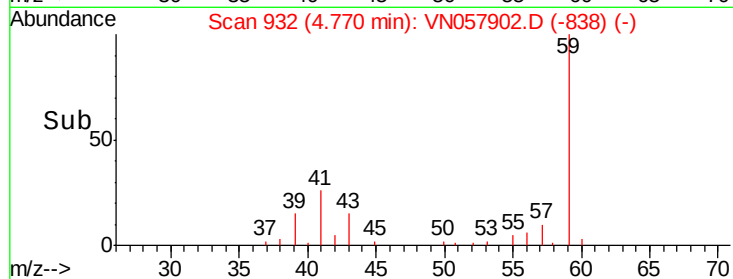
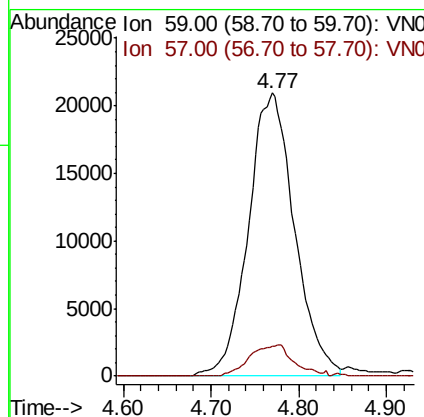
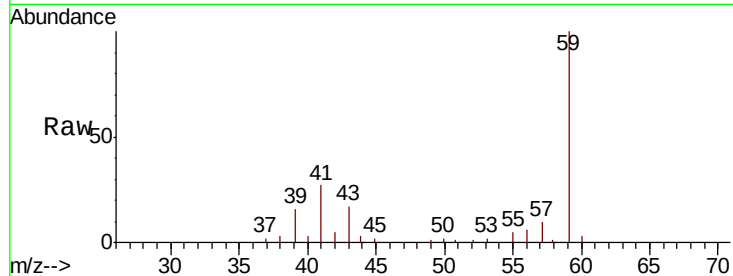
#11
Tert butyl alcohol
Concen: 103.574 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion: 59 Resp: 76766
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

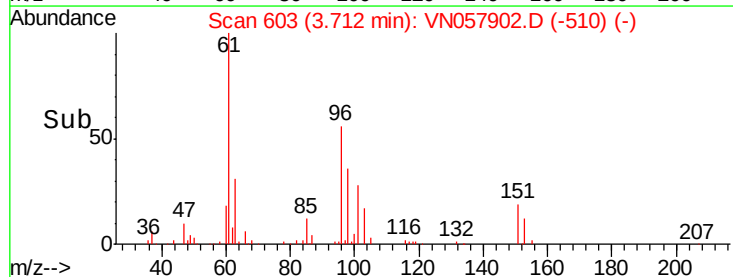
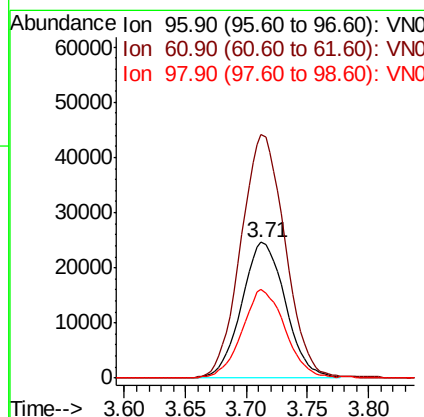
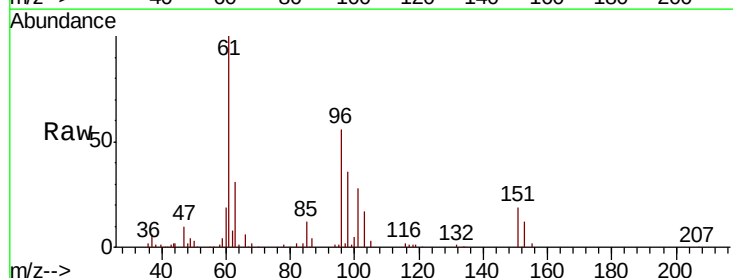
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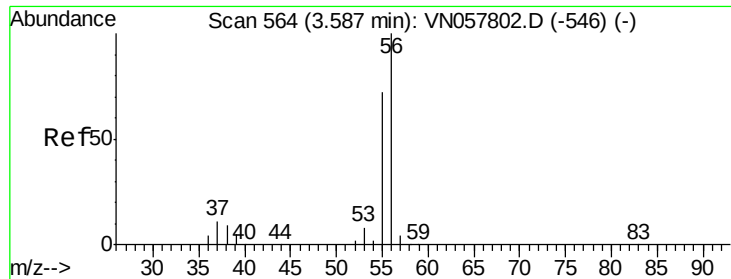
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#12
1,1-Dichloroethene
Concen: 19.059 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 96 Resp: 61359
Ion Ratio Lower Upper
96 100
61 179.0 141.2 211.8
98 64.9 49.9 74.9





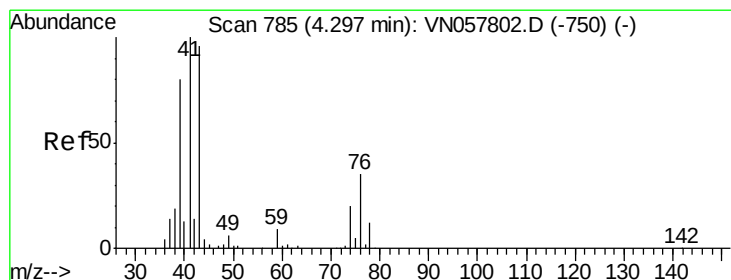
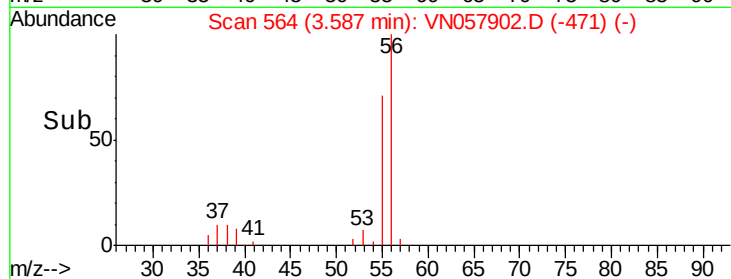
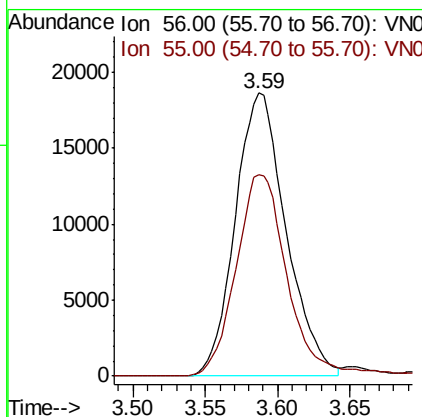
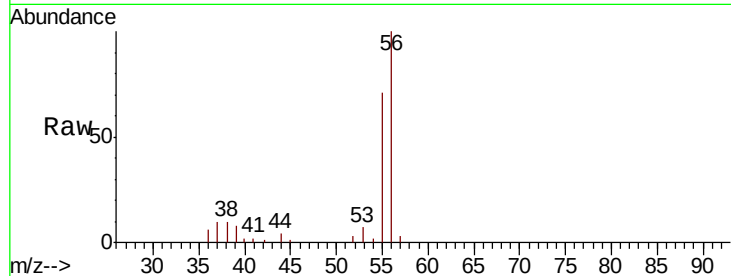
#13
 Acrolein
 Concen: 72.124 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.4	57.3	85.9

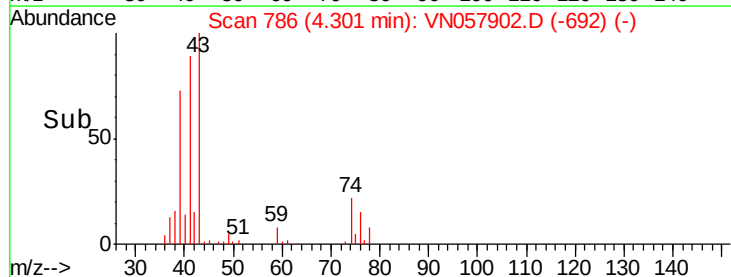
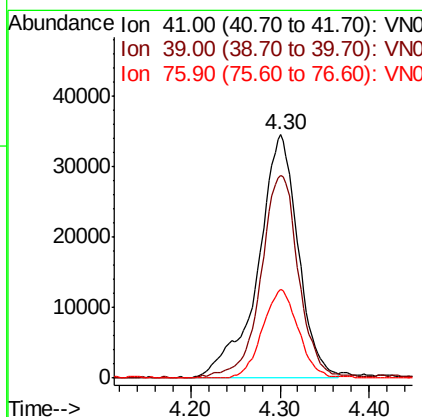
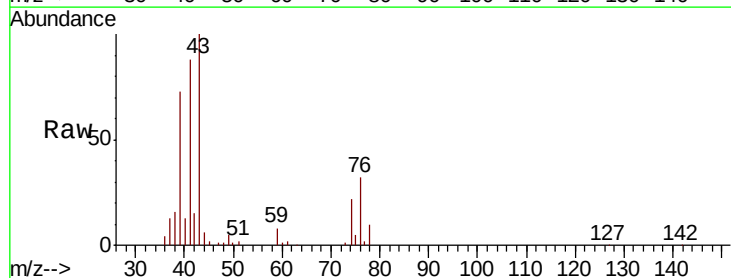
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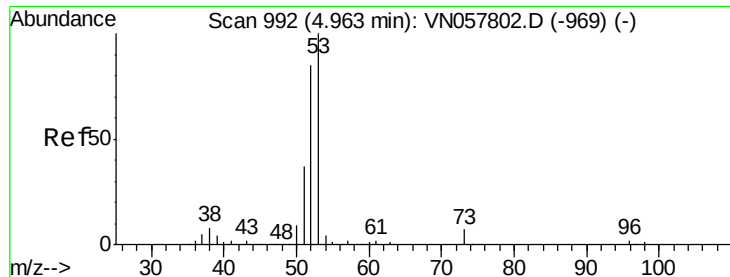
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 9/13/2019 7:07:03 AM



#14
 Allyl chloride
 Concen: 17.210 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	78.3	59.4	89.2
76	76	32.3	26.0	39.0





#15

Acrylonitrile

Concen: 100.484 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

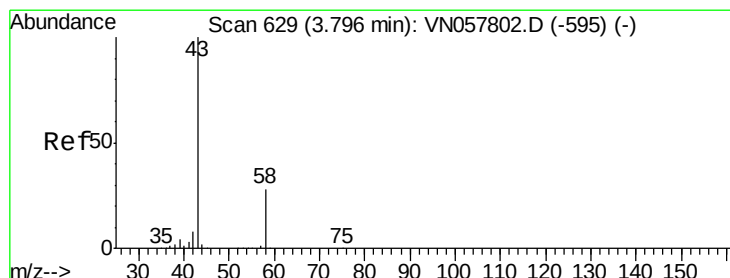
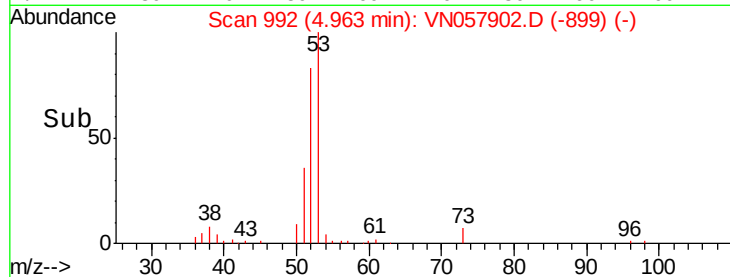
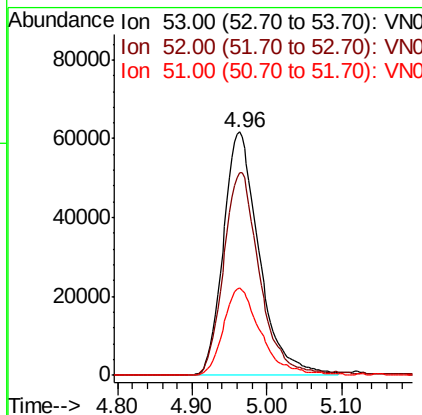
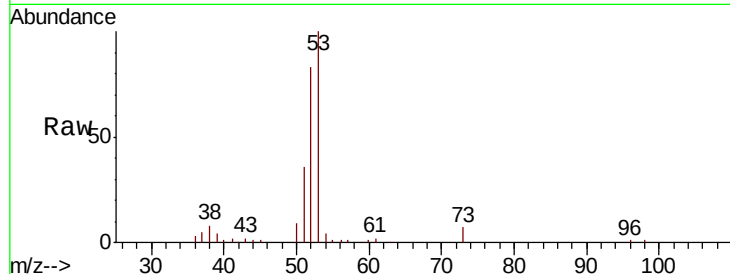
ClientSampleId :

VN0911WBSD02

Tot Ion:	53	Resp:	204704
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	37.0	29.8	44.8

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#16

Acetone

Concen: 87.923 ug/l

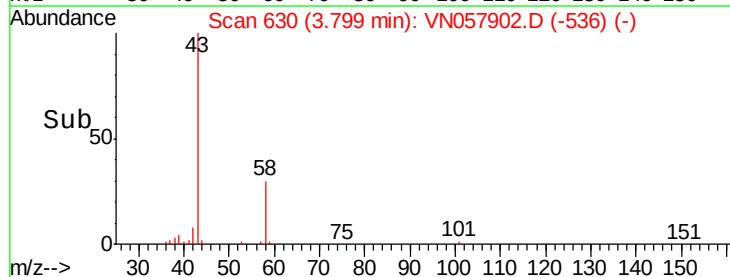
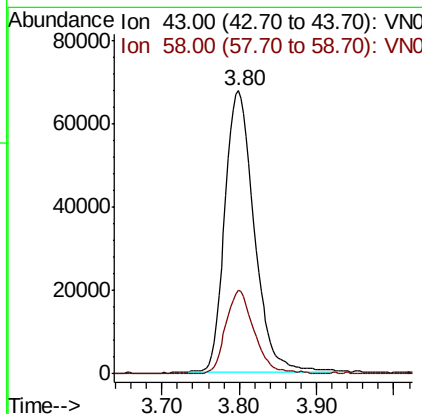
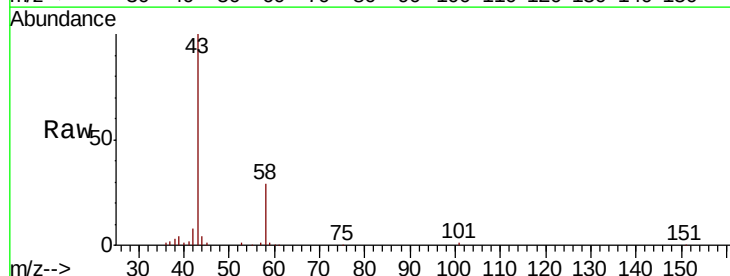
RT: 3.80 min Scan# 630

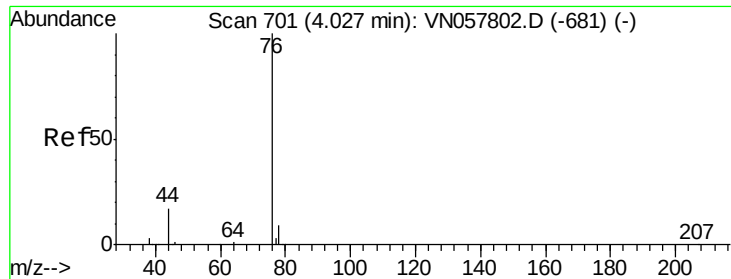
Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion:	43	Resp:	176504
Ion	Ratio	Lower	Upper
43	100		
58	29.7	22.2	33.2





#17

Carbon Disulfide

Concen: 17.315 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tot Ion: 76 Resp: 86238

Ion Ratio Lower Upper

76 100

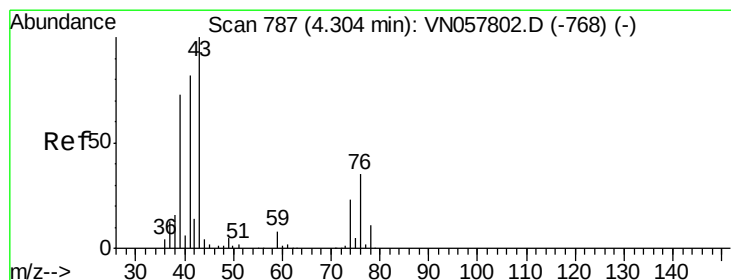
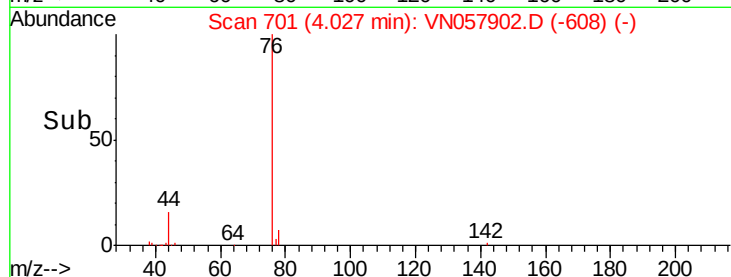
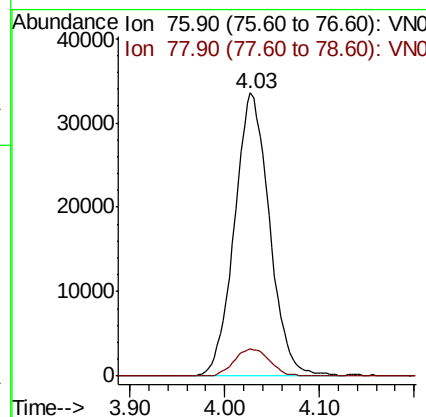
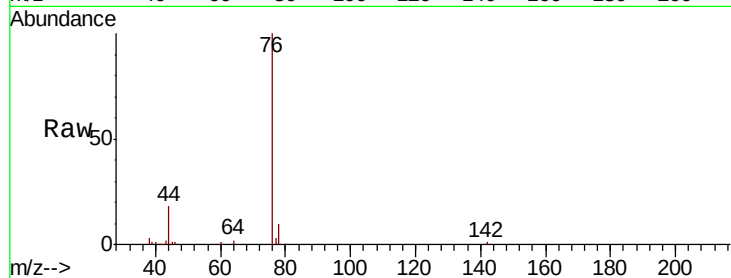
78 9.5 7.1 10.7

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#18

Methyl Acetate

Concen: 20.987 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057902.D

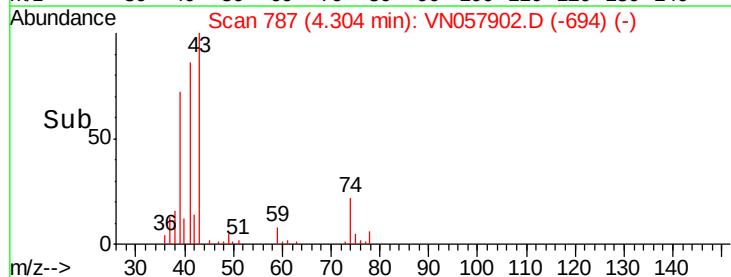
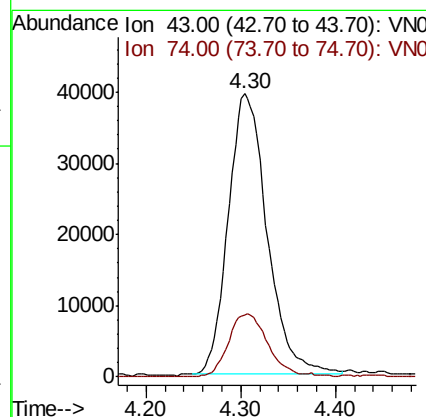
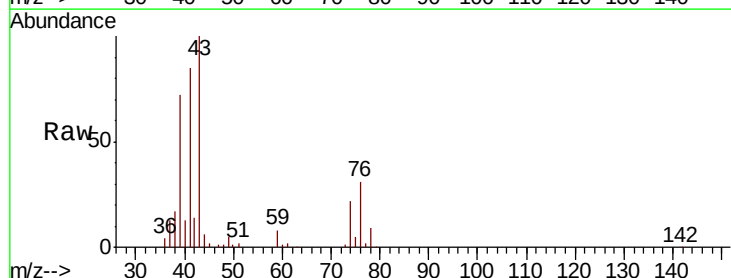
Acq: 11 Sep 2019 6:38

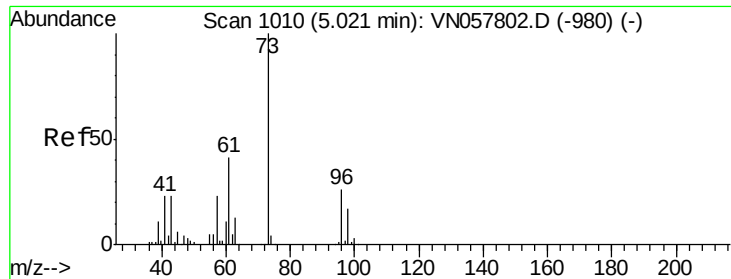
Tgt Ion: 43 Resp: 112333

Ion Ratio Lower Upper

43 100

74 22.7 17.9 26.9





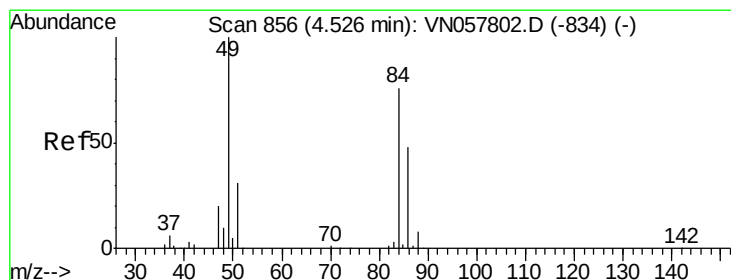
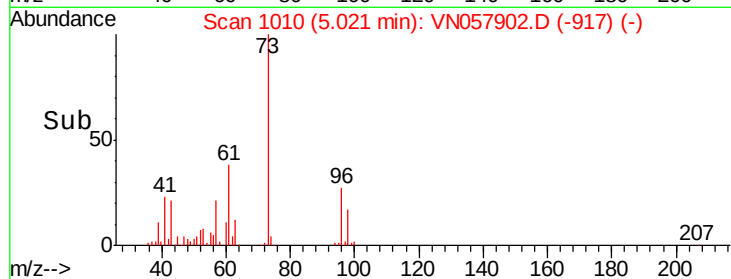
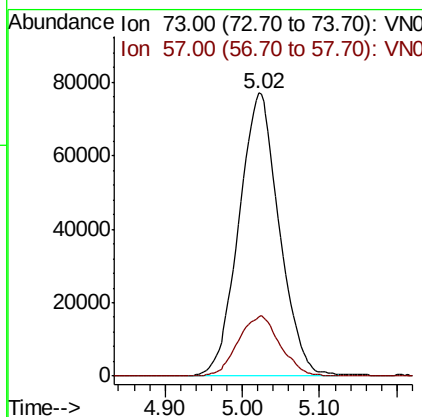
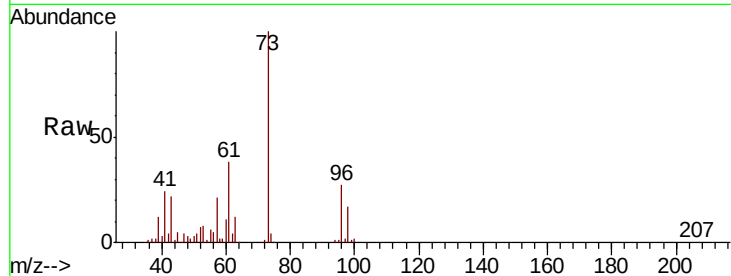
#19
Methyl tert-butyl Ether
Concen: 20.866 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion: 73 Resp: 279565
Ion Ratio Lower Upper
73 100
57 21.1 18.2 27.2

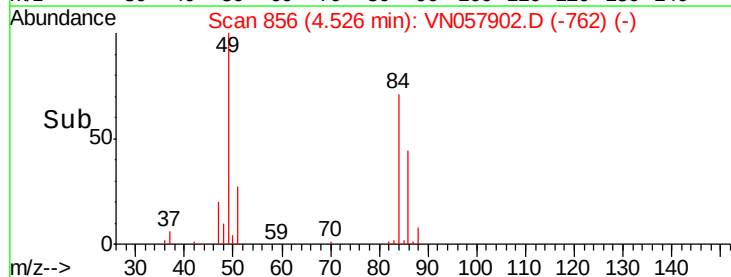
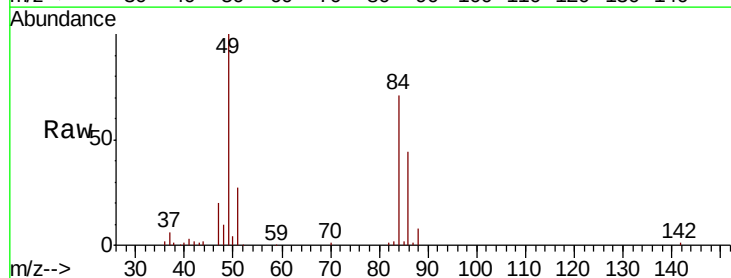
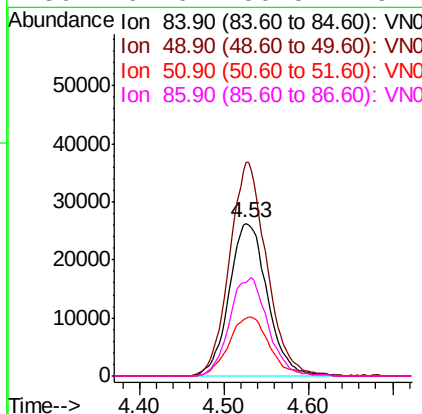
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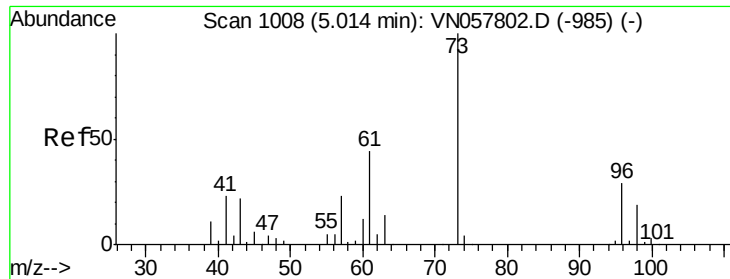
MMDadoda
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#20
Methylene Chloride
Concen: 20.957 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 84 Resp: 82823
Ion Ratio Lower Upper
84 100
49 140.1 104.8 157.2
51 37.9 33.0 49.4
86 61.6 50.5 75.7





#21

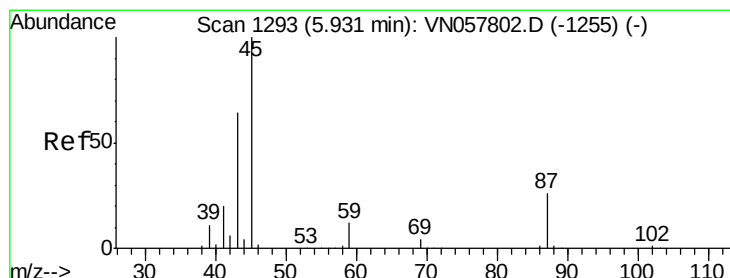
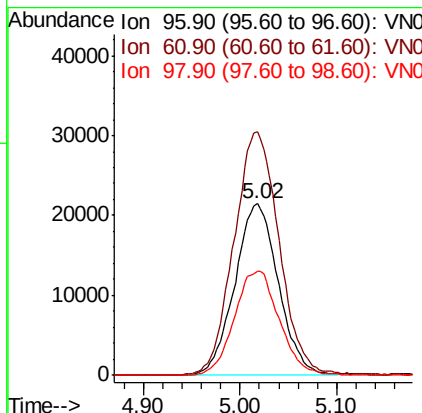
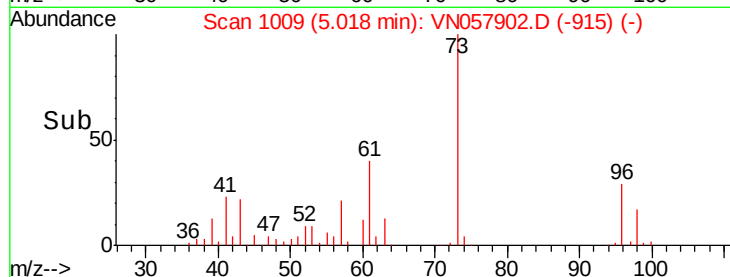
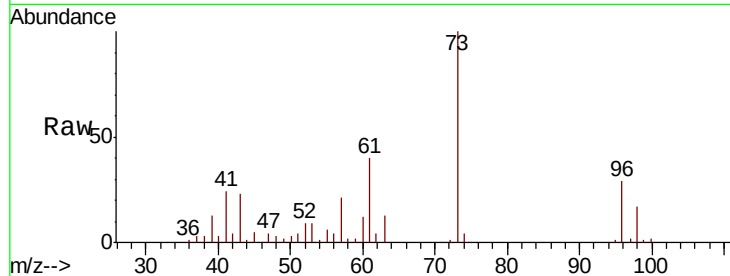
trans-1,2-Dichloroethene
Concen: 19.357 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	121.9	182.9
98	60.3	52.2	78.4

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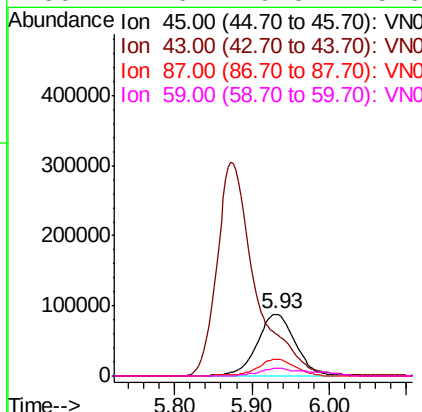
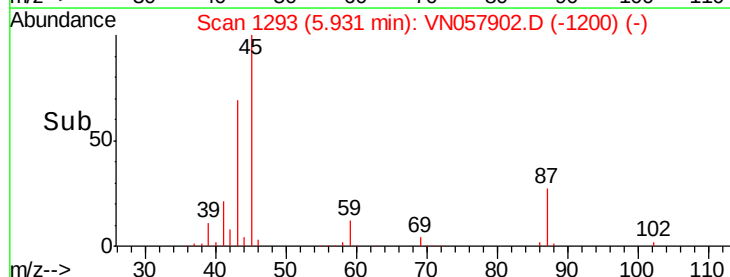
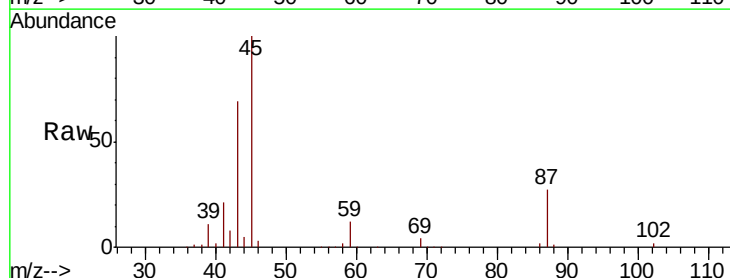
MMDadoda
9/13/2019 7:07:03 AM

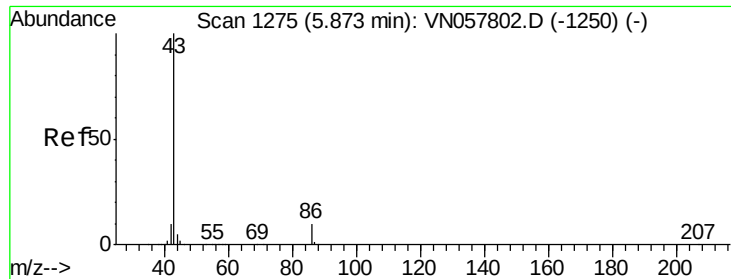


#22

Diisopropyl ether
Concen: 20.481 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.9	51.4	77.2
87	26.6	21.3	31.9
59	11.6	9.3	13.9





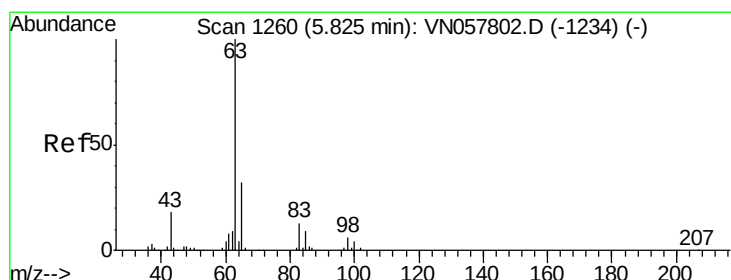
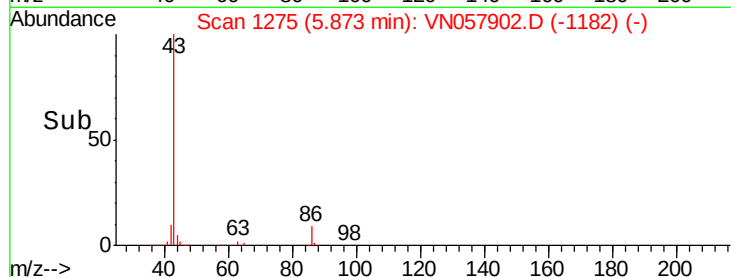
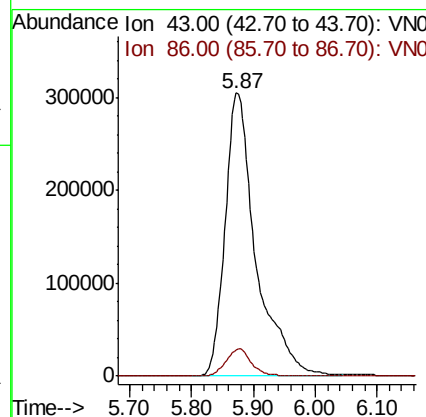
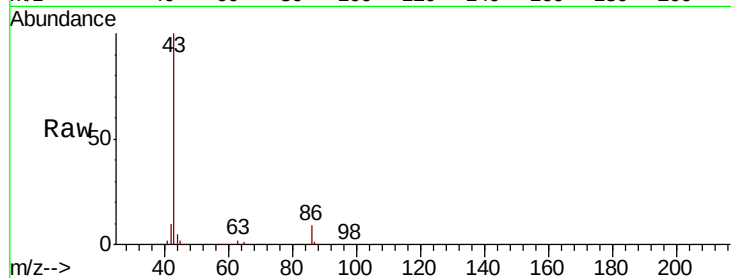
#23
 Vinyl Acetate
 Concen: 100.471 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion: 43 Resp: 1052045
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5

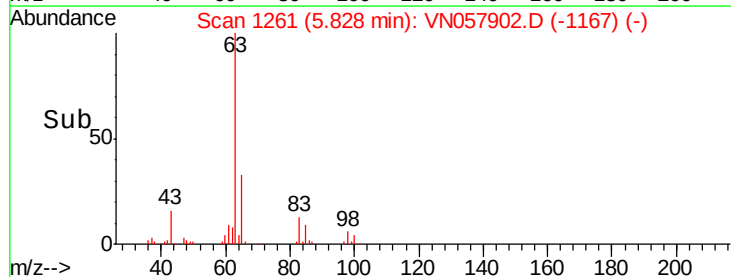
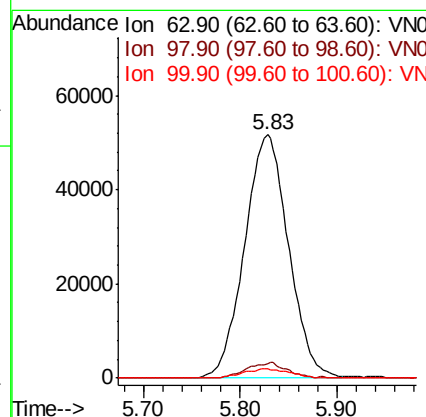
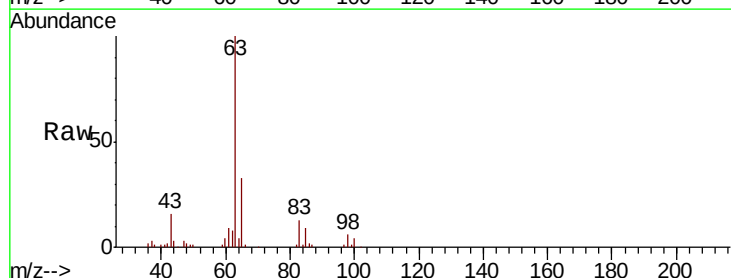
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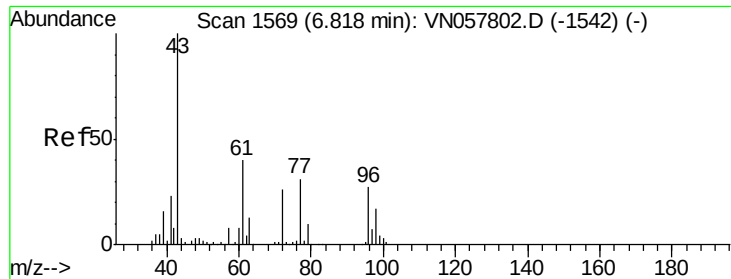
MMDadoda
 9/13/2019 7:07:03 AM



#24
 1,1-Dichloroethane
 Concen: 20.201 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 63 Resp: 163122
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 3.7 2.0 5.8





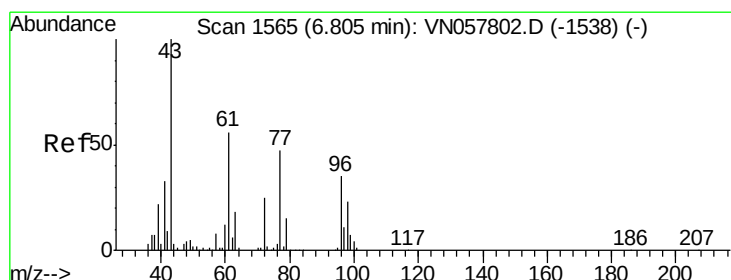
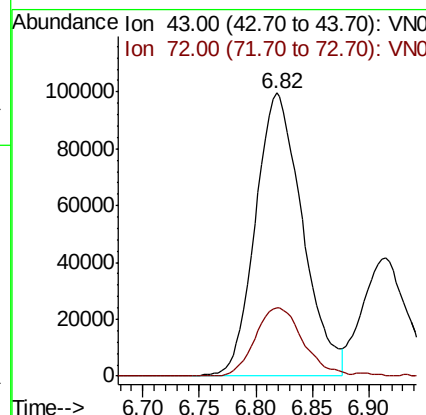
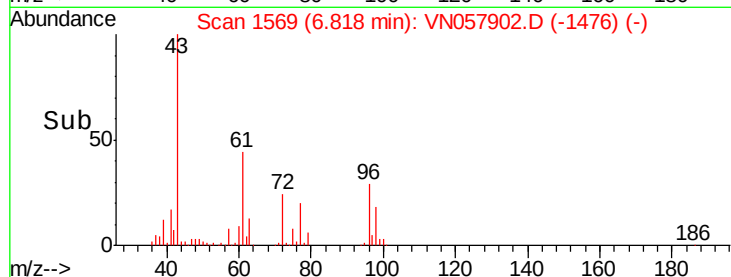
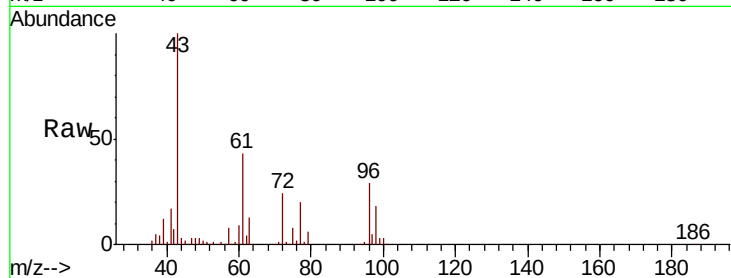
#25
2-Butanone
Concen: 98.316 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion: 43 Resp: 285658
Ion Ratio Lower Upper
43 100
72 24.3 20.6 30.8

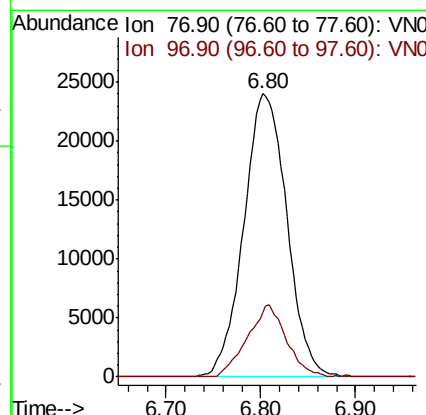
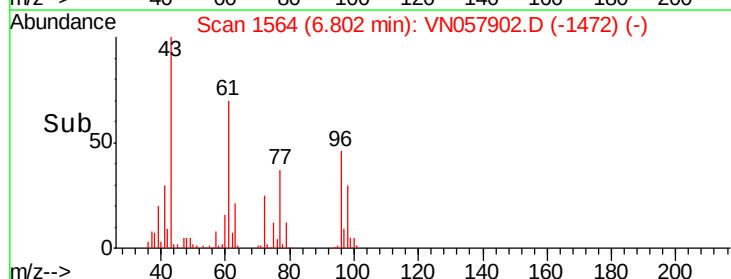
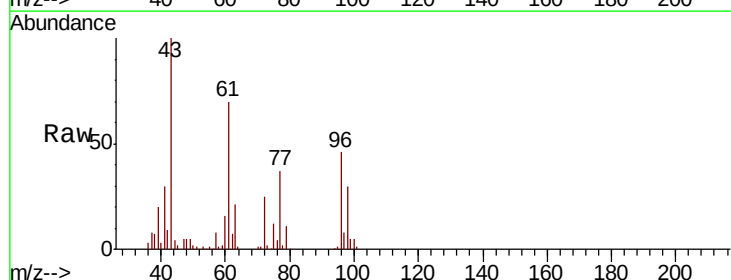
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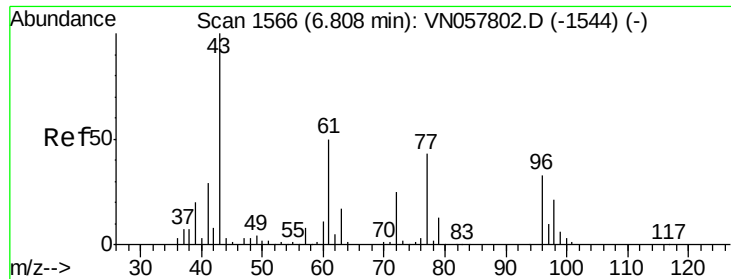
MMDadoda
9/13/2019 7:07:03 AM



#26
2,2-Dichloropropane
Concen: 11.888 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 77 Resp: 75968
Ion Ratio Lower Upper
77 100
97 22.9 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 20.313 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

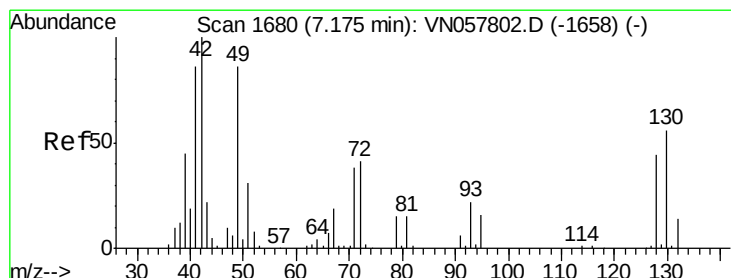
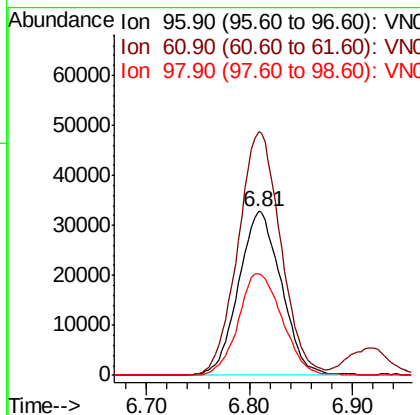
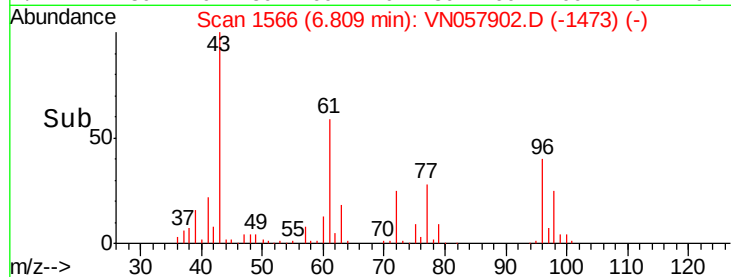
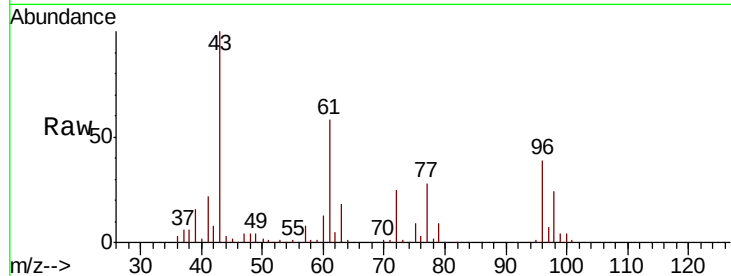
ClientSampleId :

VN0911WBSD02

Tot Ion:	96	Resp:	94738
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	314.0
98	63.5	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.923 ug/l

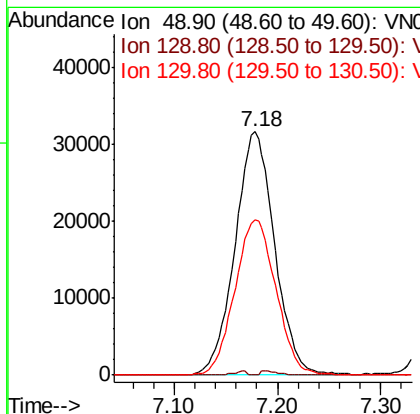
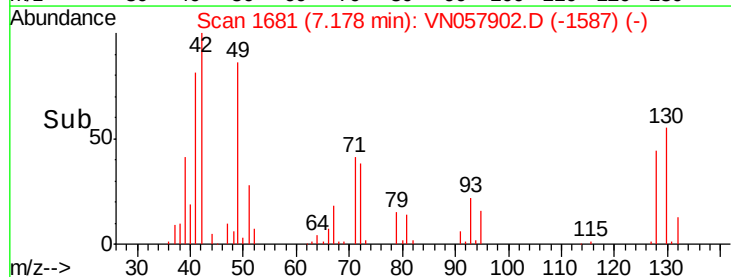
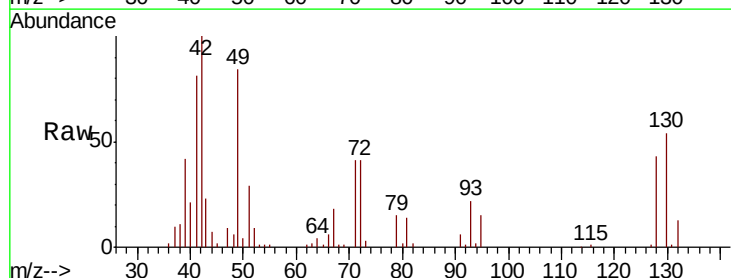
RT: 7.18 min Scan# 1681

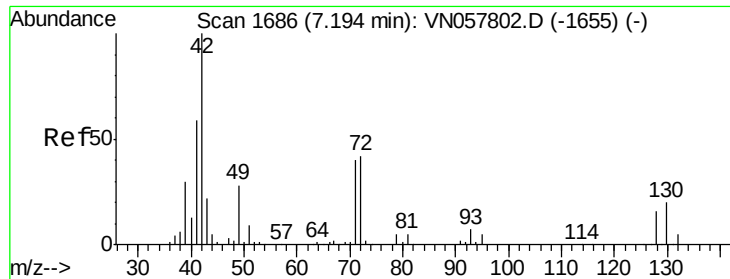
Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion:	49	Resp:	84408
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	66.2	53.0	79.6





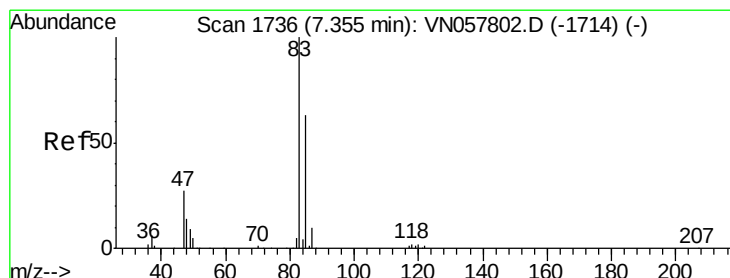
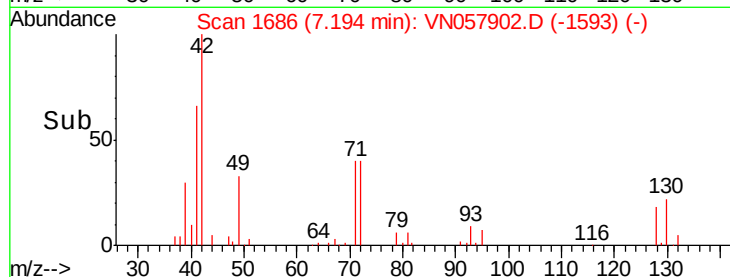
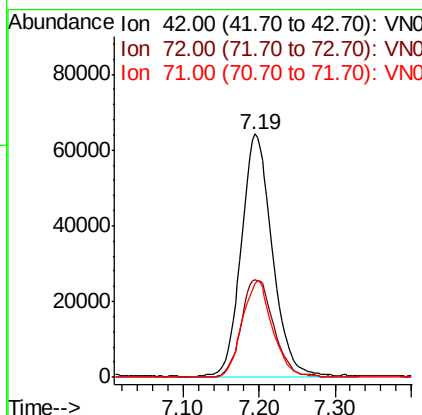
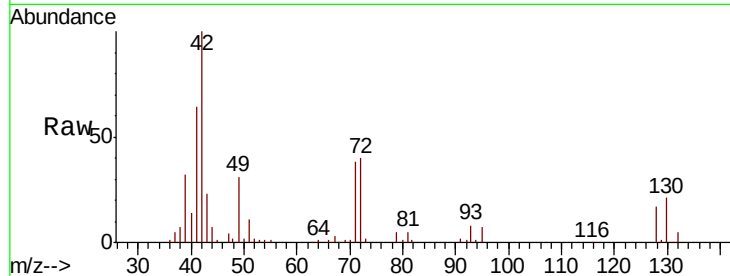
#29
Tetrahydrofuran
Concen: 101.512 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.1	31.9	47.9

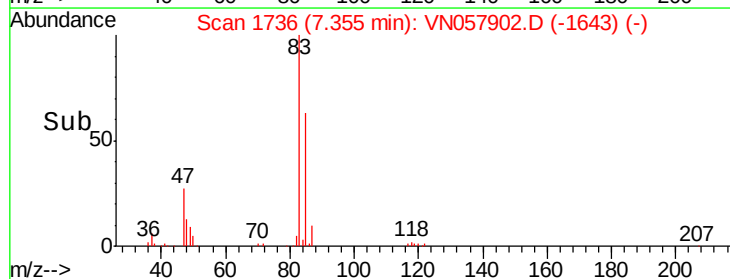
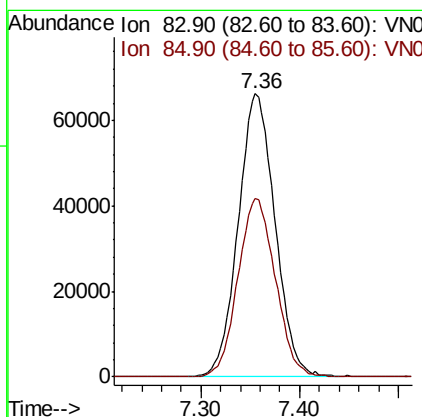
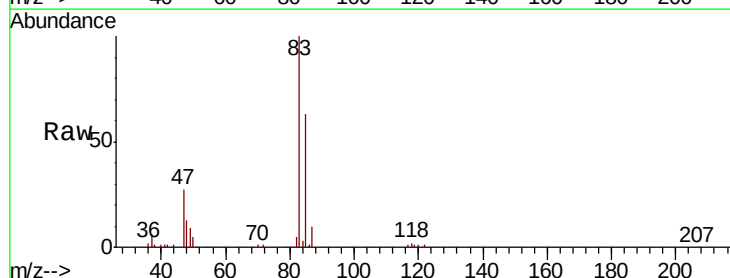
Manual Integrations
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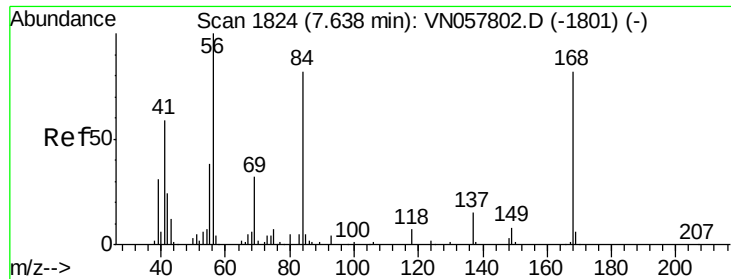
MMDadoda
9/13/2019 7:07:03 AM



#30
Chloroform
Concen: 20.294 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8





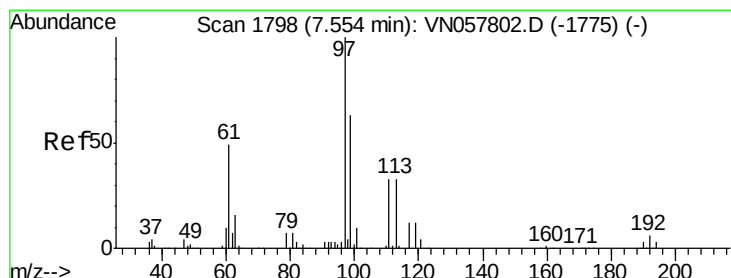
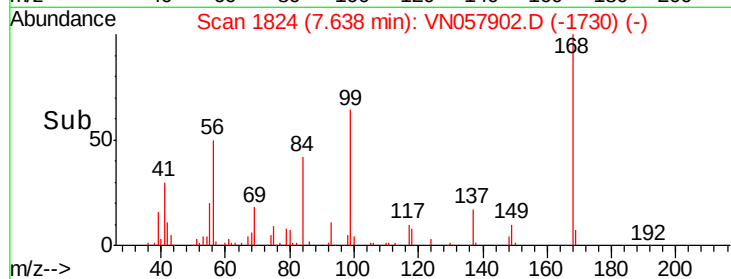
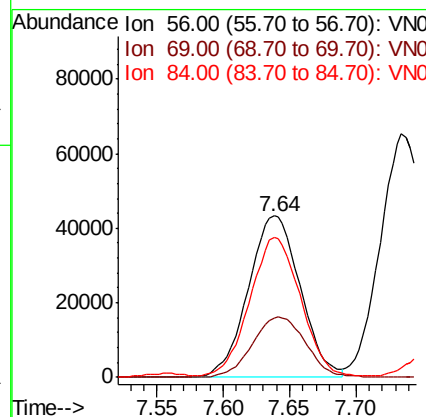
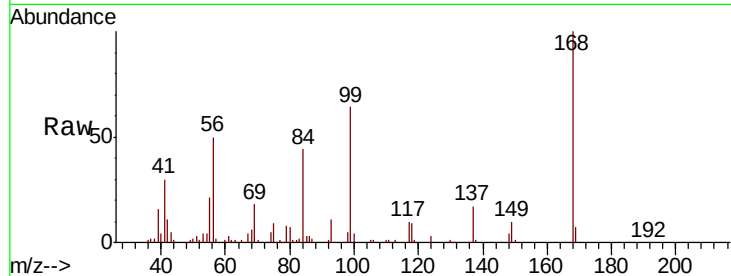
#31
Cyclohexane
Concen: 20.088 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
56	100	117900		
69	36.4	25.9	38.9	
84	85.6	65.6	98.4	

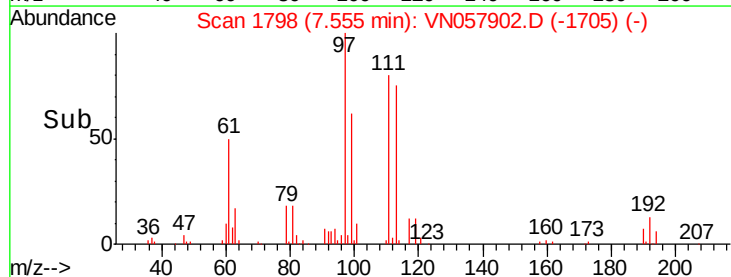
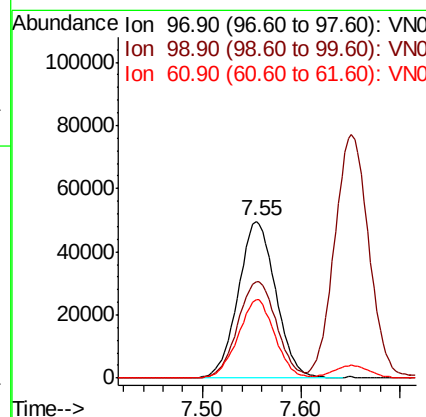
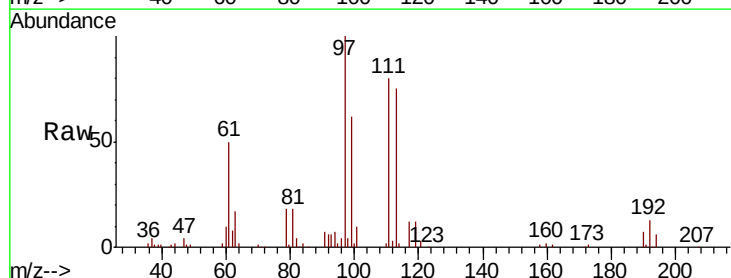
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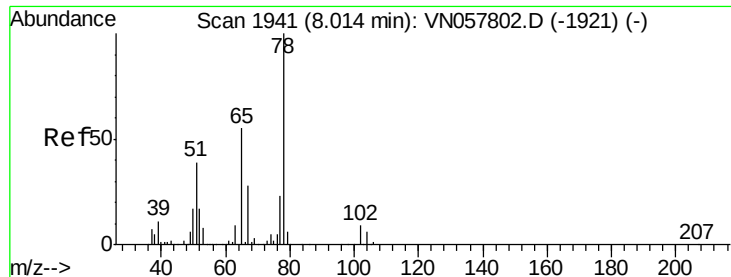
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#32
1,1,1-Trichloroethane
Concen: 19.630 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	131450		
99	63.2	51.0	76.4	
61	48.7	39.0	58.6	





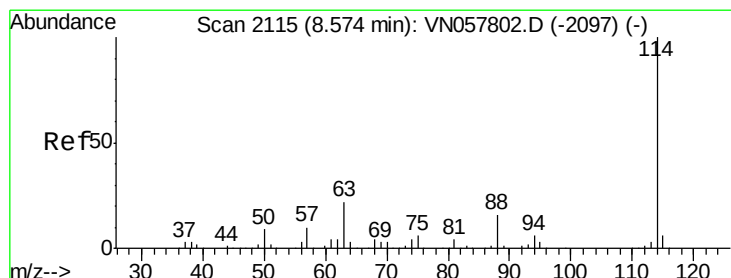
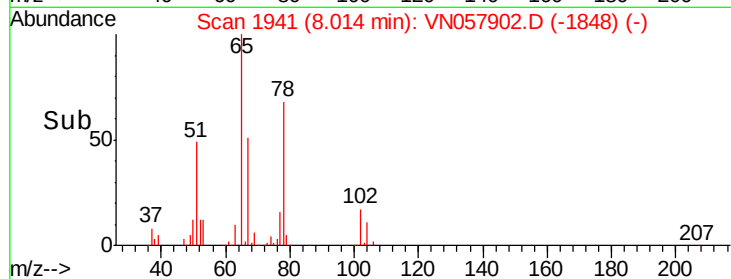
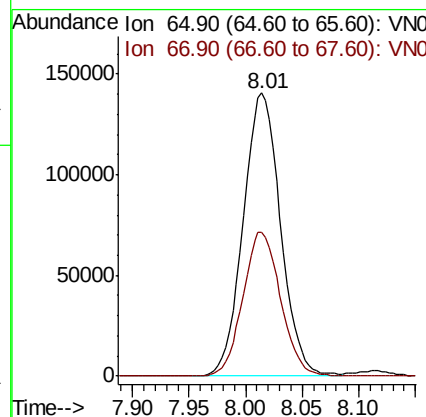
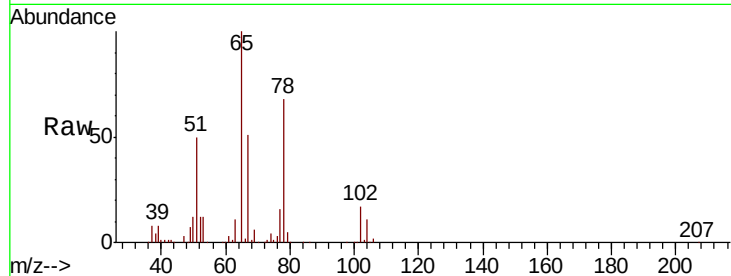
#33
 1,2-Dichloroethane-d4
 Concen: 52.836 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	323553		
67	51.3	0.0	104.0	

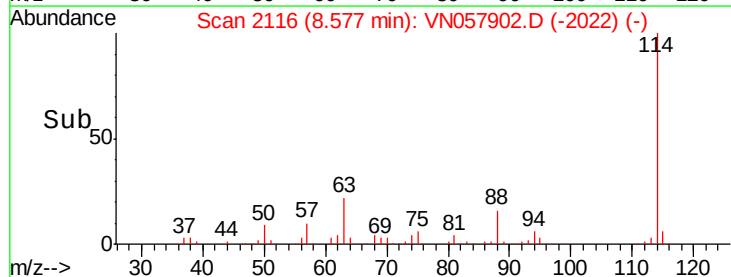
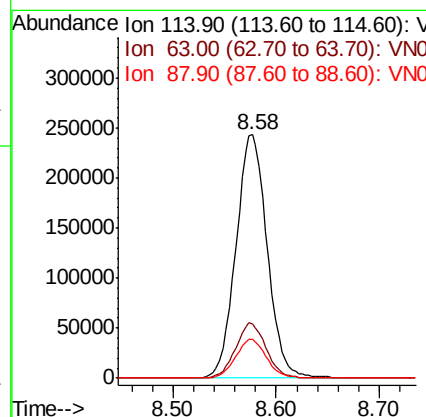
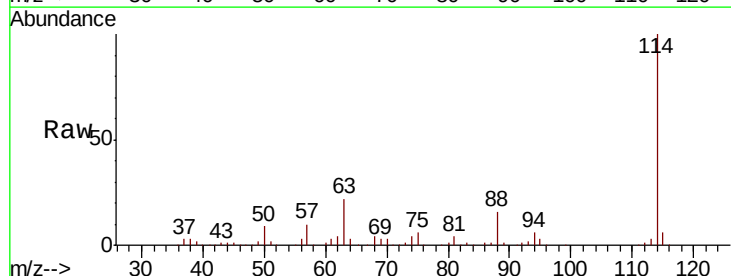
Manual Integrations
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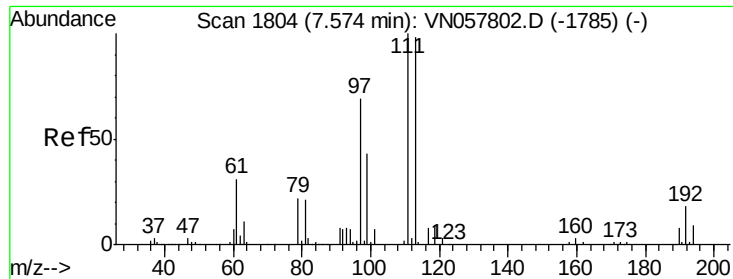
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 9/13/2019 7:07:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	513280		
63	22.4	0.0	44.0	
88	15.9	0.0	31.4	





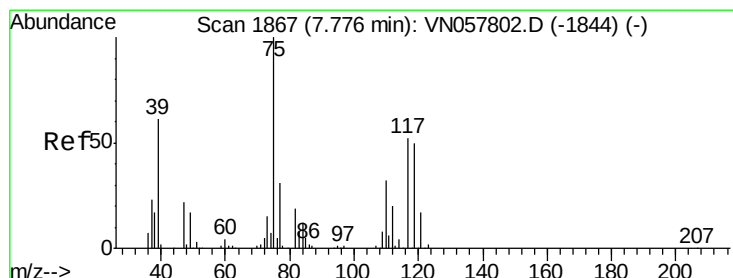
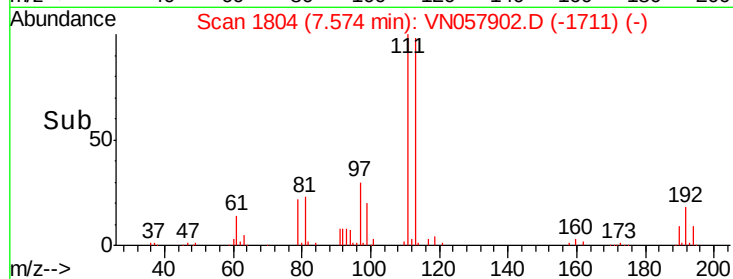
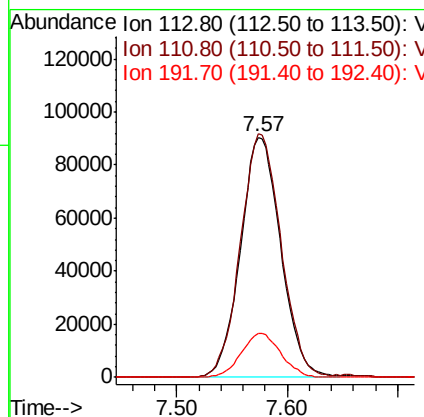
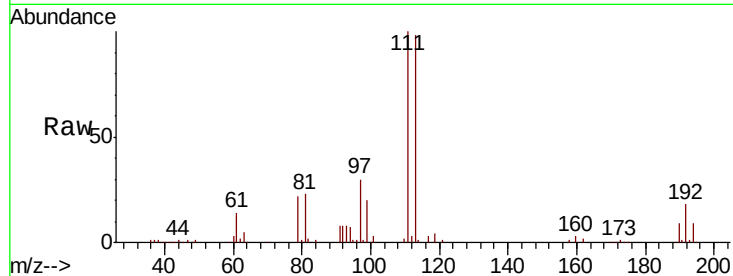
#35
 Dibromofluoromethane
 Concen: 48.135 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228031		
111	102.3	81.3	121.9	
192	18.1	14.6	22.0	

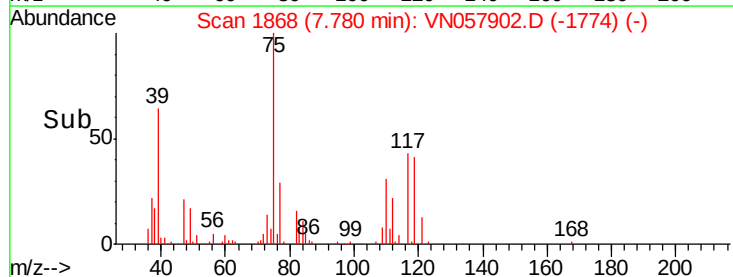
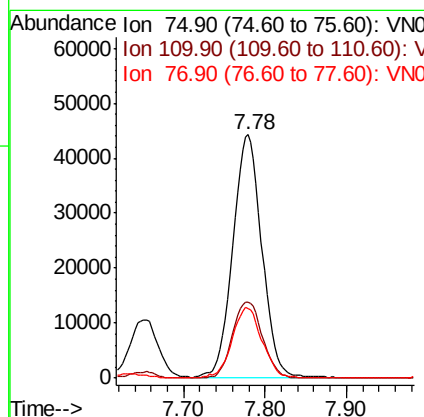
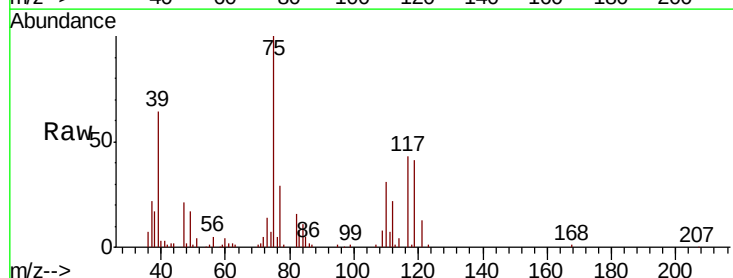
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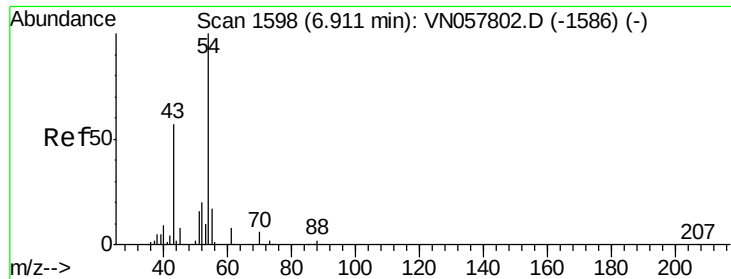
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#36
 1,1-Dichloropropene
 Concen: 18.565 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110514		
110	32.1	16.3	48.9	
77	29.7	25.0	37.4	





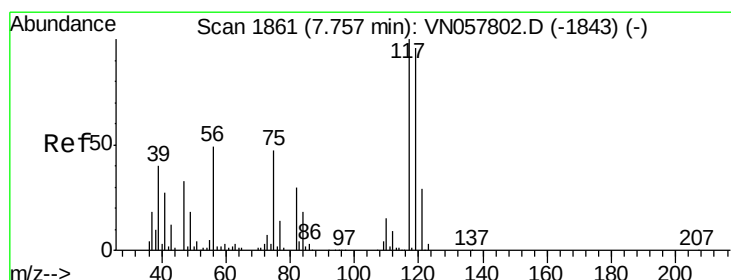
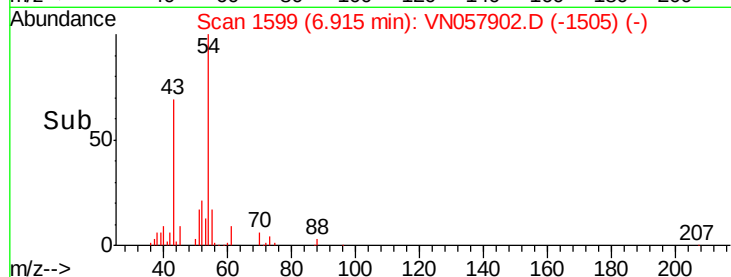
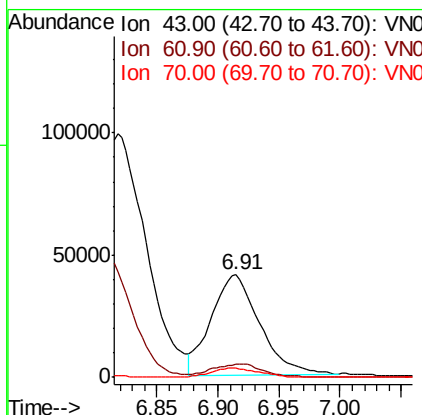
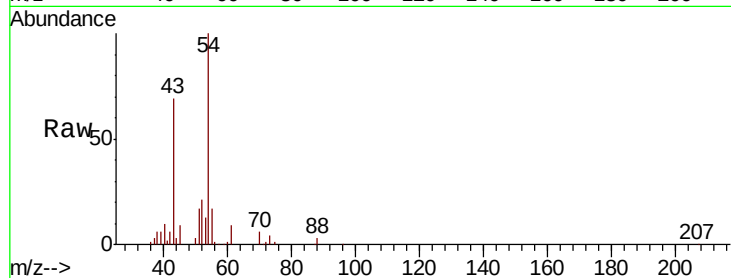
#37
Ethyl Acetate
Concen: 18.391 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.3	113109	10.5	15.7
70	9.4		7.4	11.0

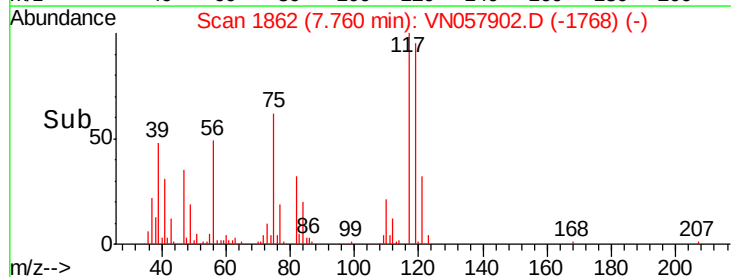
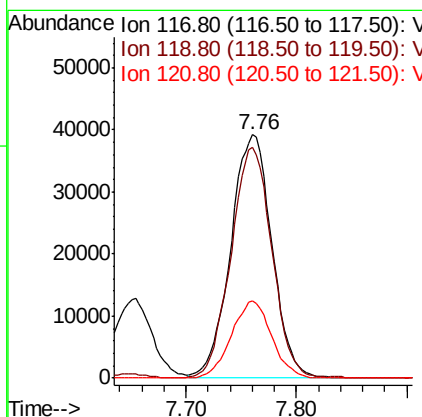
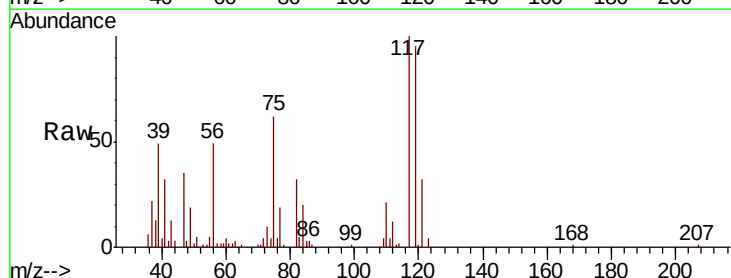
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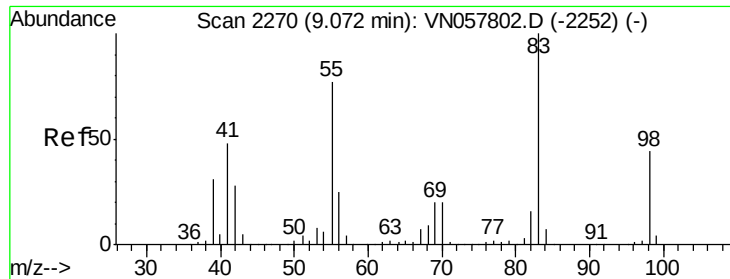
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#38
Carbon Tetrachloride
Concen: 18.702 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	101643		
119	94.2		76.9	115.3
121	31.6		23.4	35.2





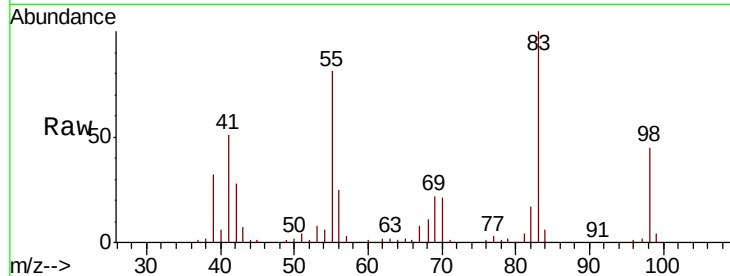
#39
Methylvlcyclohexane
Concen: 17.374 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

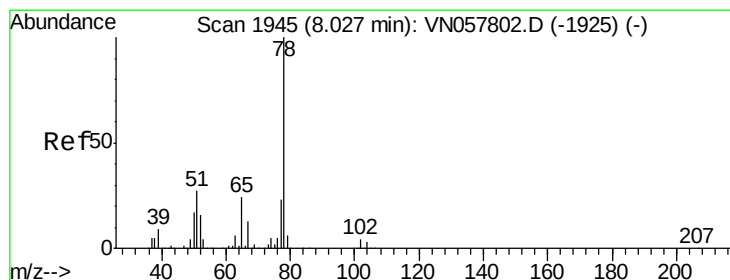
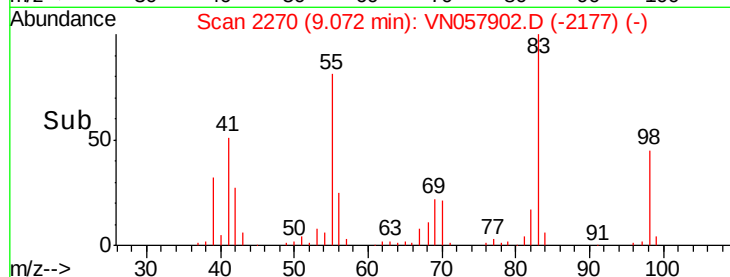
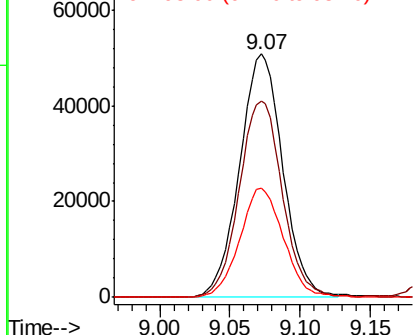
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.6	61.6	92.4	
98	44.9	34.9	52.3	

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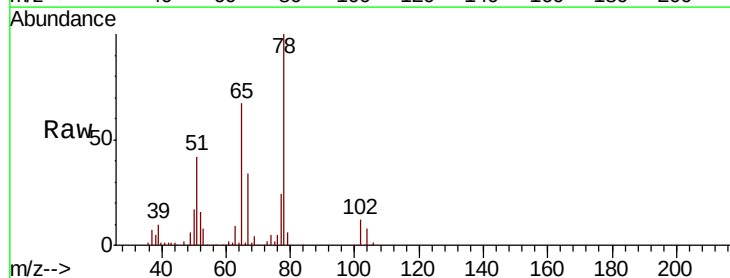


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

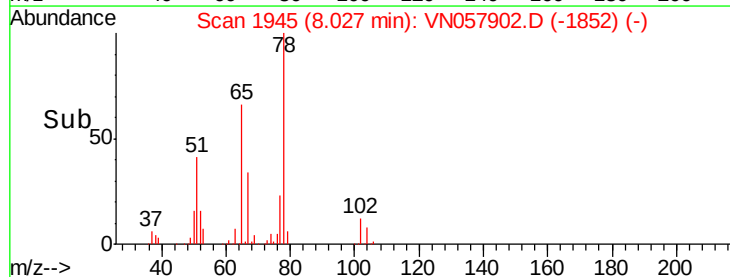
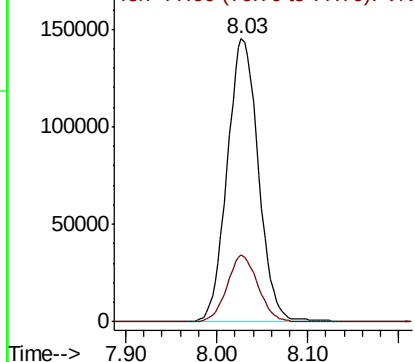


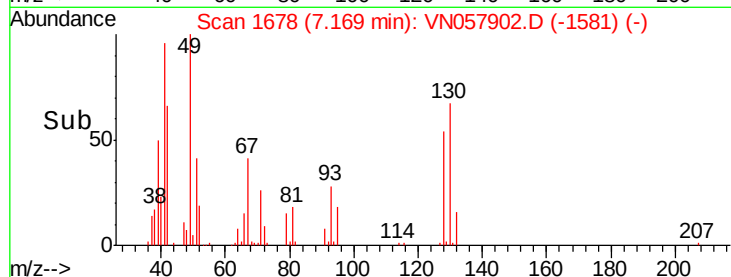
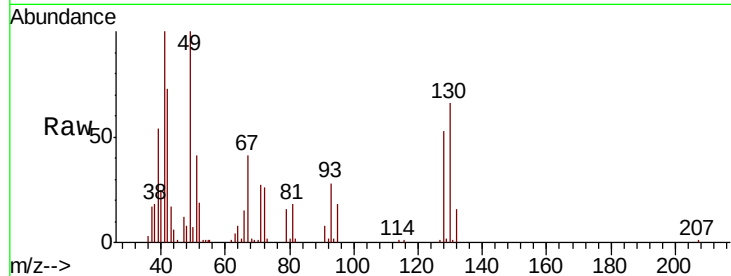
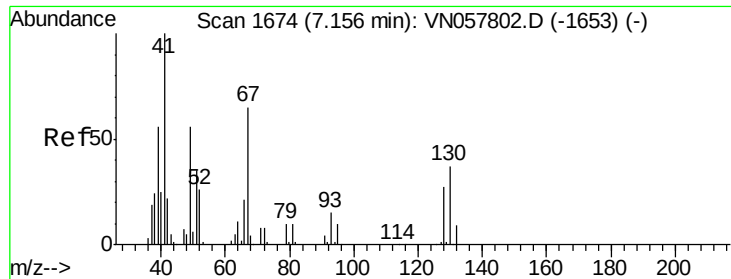
#40
Benzene
Concen: 19.310 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.3	27.5	



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





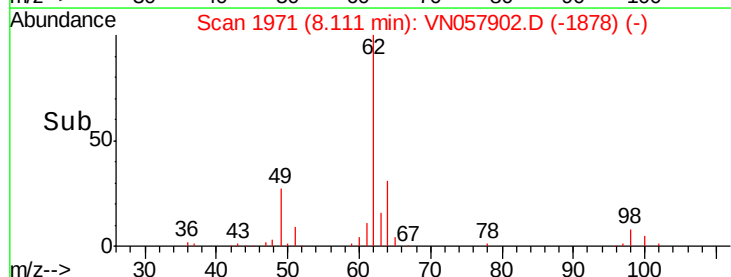
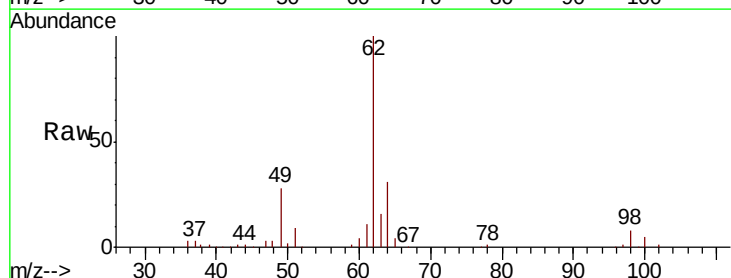
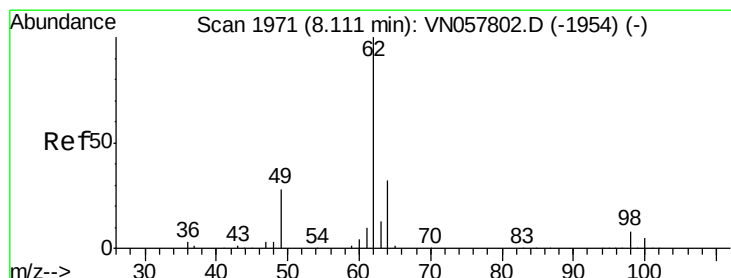
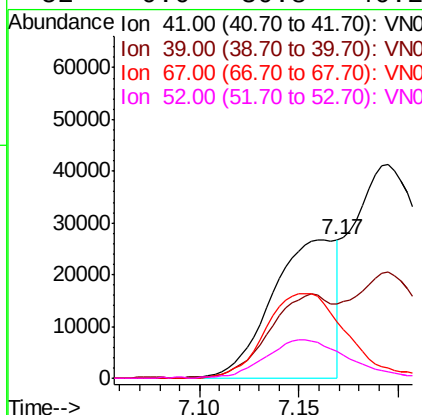
#41
Methacrylonitrile
Concen: 21.720 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tot Ion: 41 Resp: 60637
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

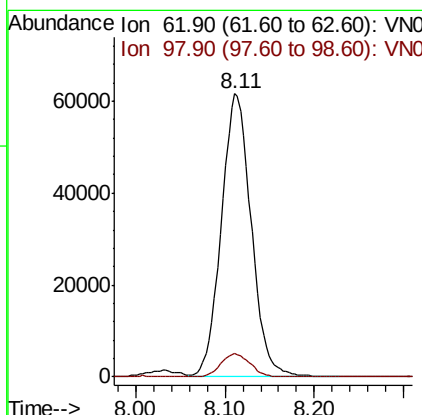
Manual Integrations
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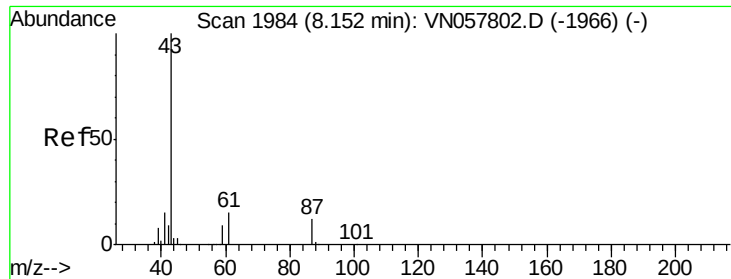
MMDadoda
9/13/2019 7:07:03 AM



#42
1,2-Dichloroethane
Concen: 20.020 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 62 Resp: 143493
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8





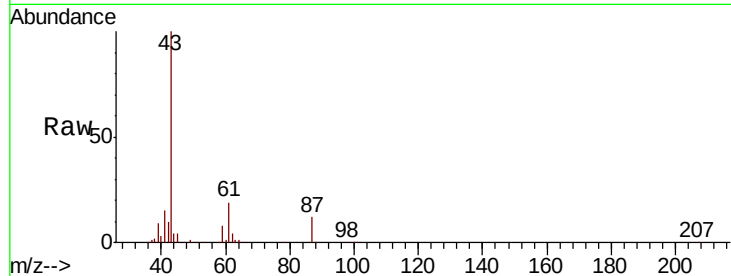
#43
Isopropyl Acetate
Concen: 18.926 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion	43	Resp	195749
Ion Ratio	100	Lower	Upper
43	100		
61	17.8	20.1	30.1#
87	12.0	9.5	14.3

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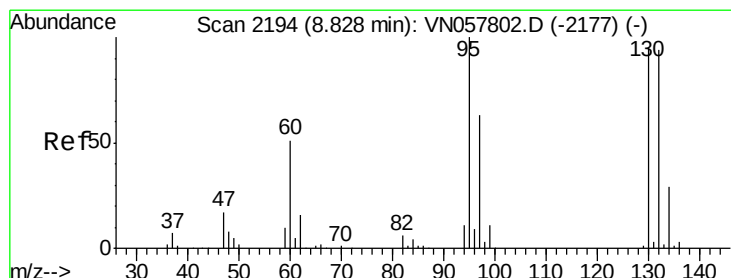
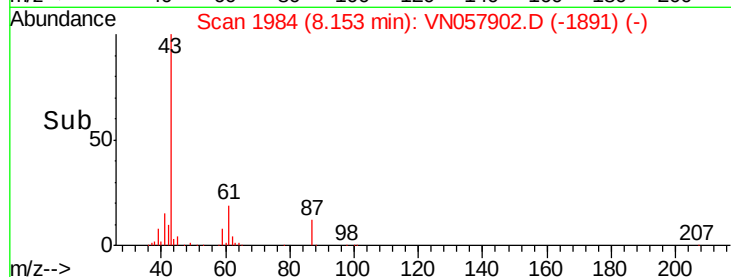
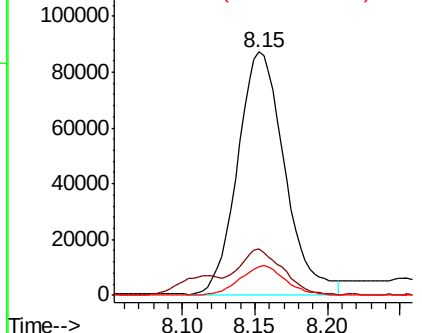


Abundance

Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

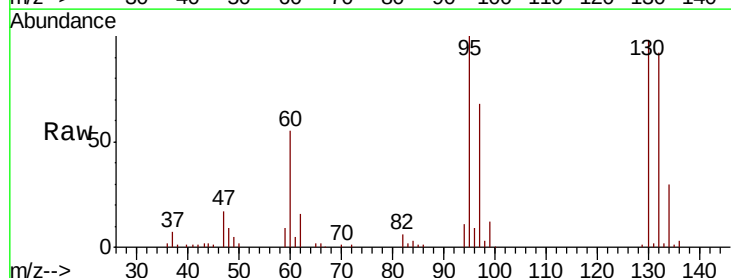
Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44
Trichloroethene
Concen: 19.022 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

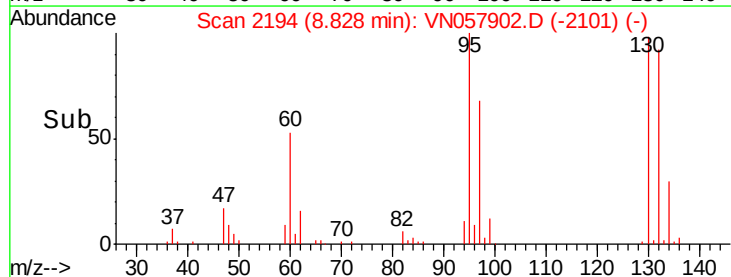
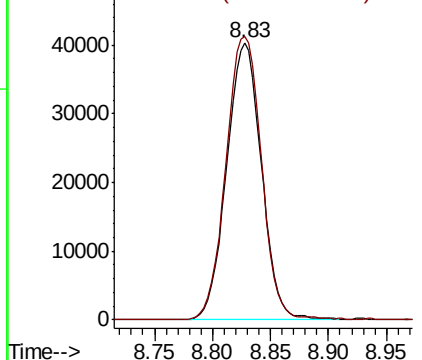
Tgt Ion	130	Resp	83612
Ion Ratio	100	Lower	Upper
130	100		
95	102.1	0.0	211.4

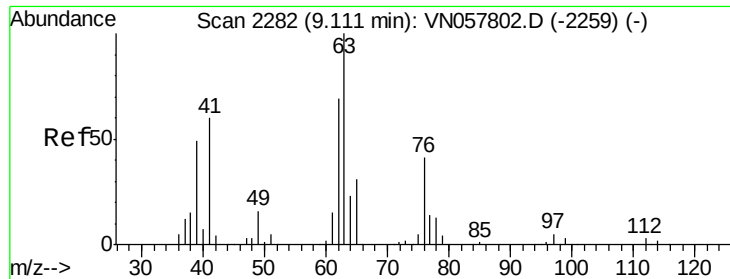


Abundance

Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)





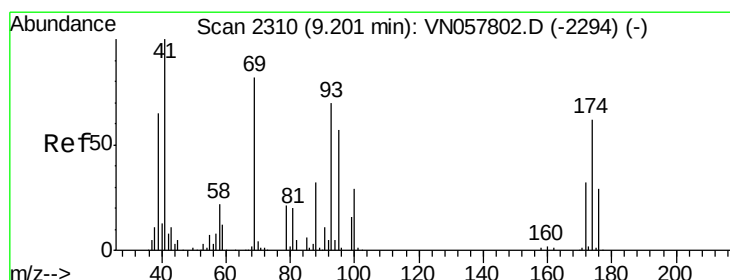
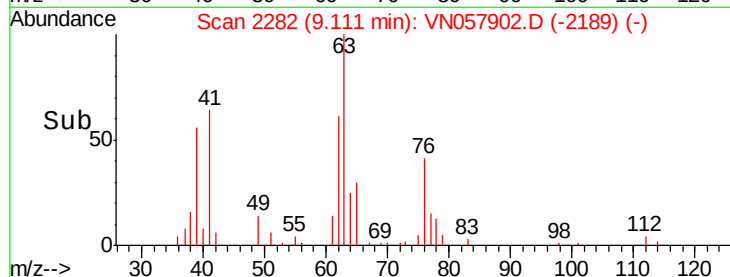
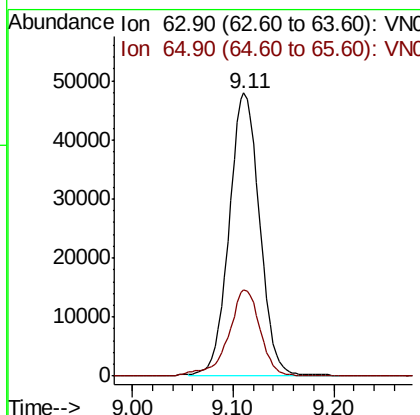
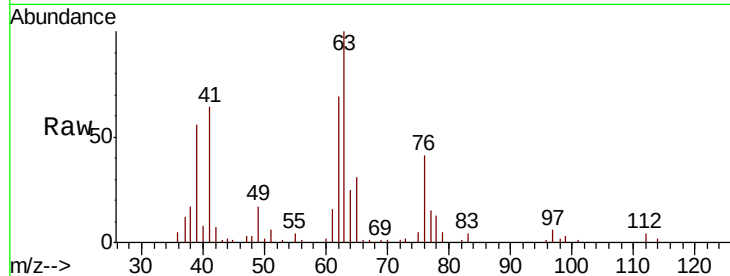
#45
 1,2-Dichloropropane
 Concen: 19.373 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
63	100	101029		
65	30.6	24.8	37.2	

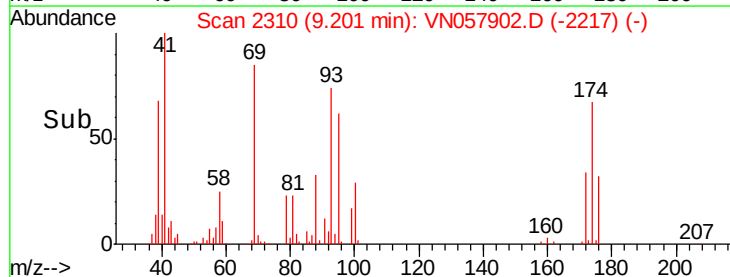
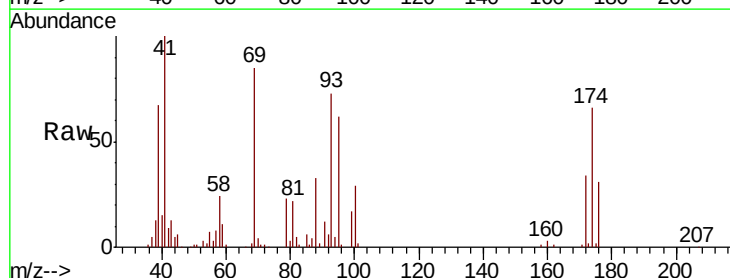
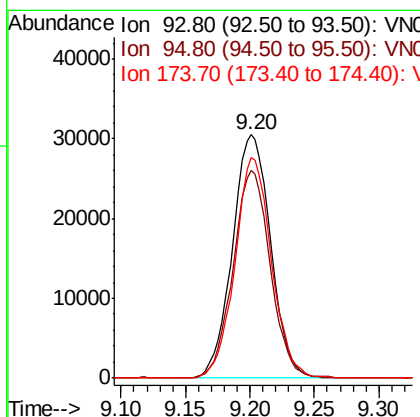
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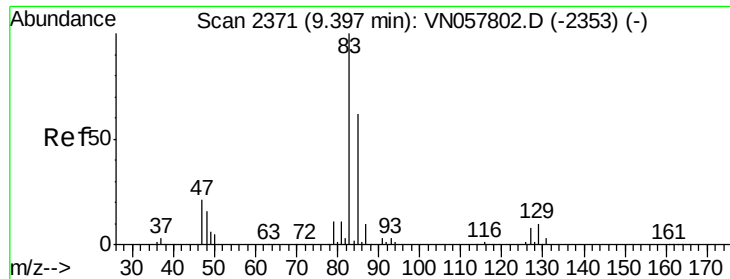
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 9/13/2019 7:07:03 AM



#46
 Dibromomethane
 Concen: 19.977 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	62954		
95	82.5	65.9	98.9	
174	86.4	71.8	107.6	





#47

Bromodichloromethane

Concen: 19.487 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

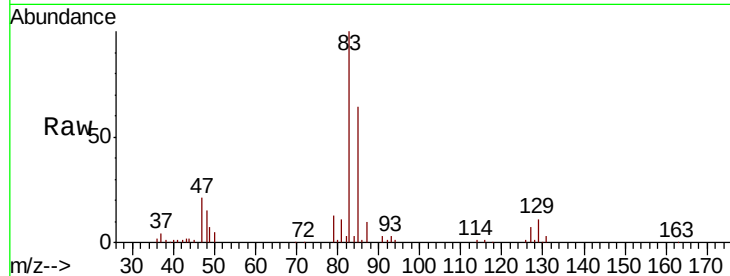
ClientSampleId :

VN0911WBSD02

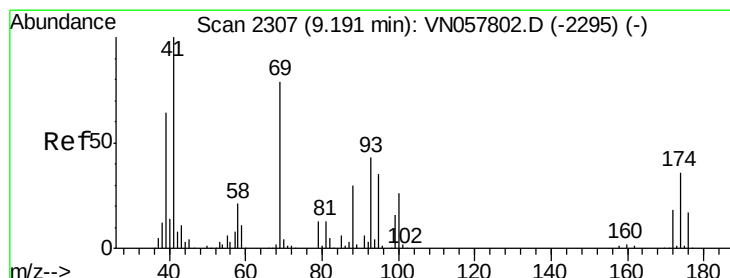
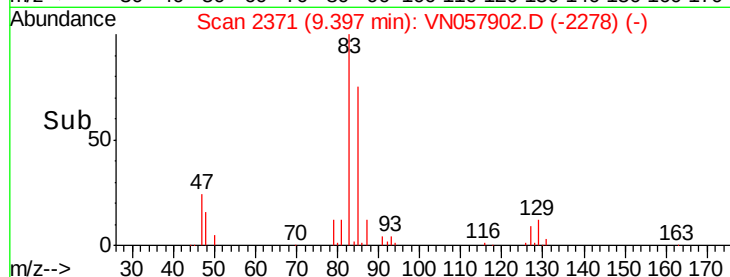
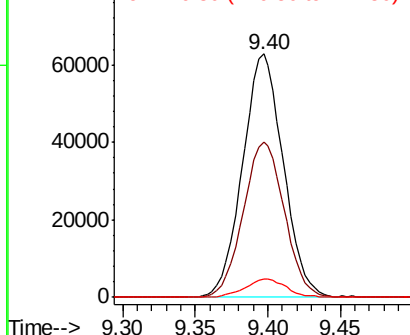
Tot Ion:	83	Resp:	122625
Ion Ratio	Lower	Upper	
83	100		
85	63.7	49.9	74.9
127	7.4	6.5	9.7

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.769 ug/l

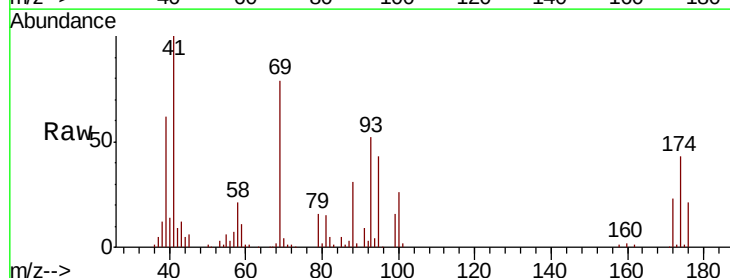
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

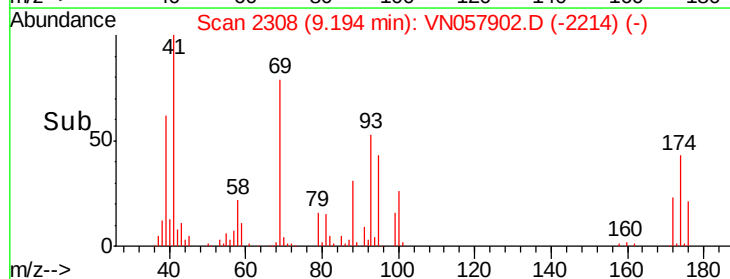
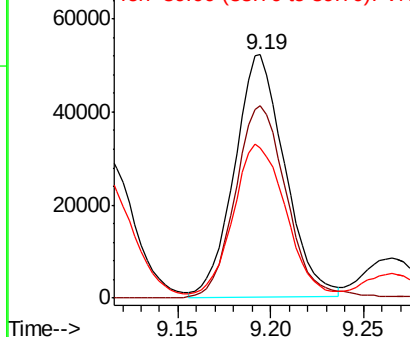
Lab File: VN057902.D

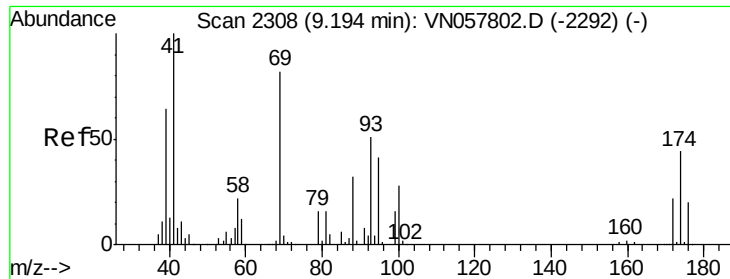
Acq: 11 Sep 2019 6:38

Tgt Ion:	41	Resp:	98469
Ion Ratio	Lower	Upper	
41	100		
69	80.9	62.7	94.1
39	66.9	52.7	79.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





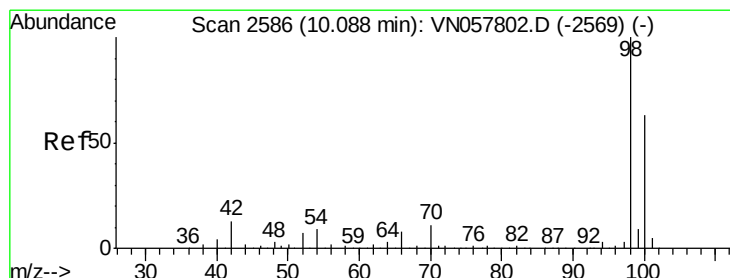
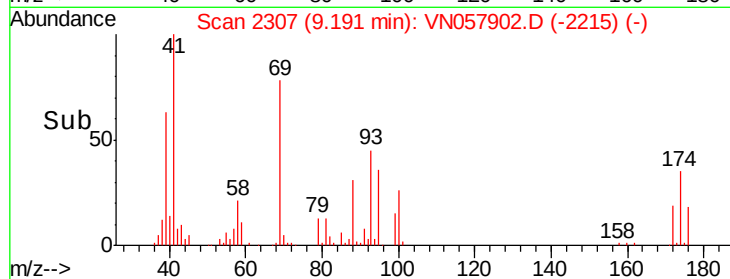
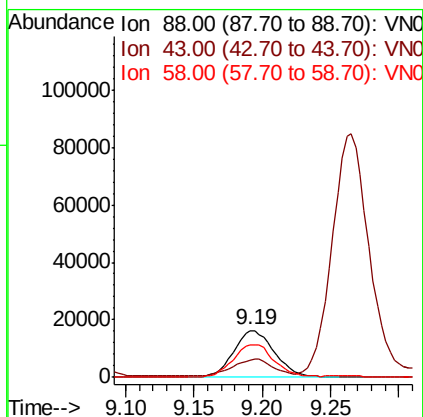
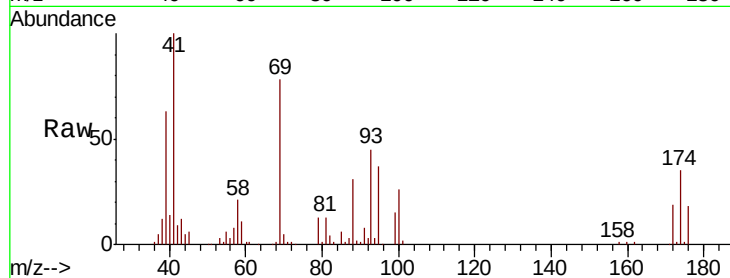
#49
 1,4-Dioxane
 Concen: 381.920 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	28.5	42.7
58	70.7	55.8	83.6

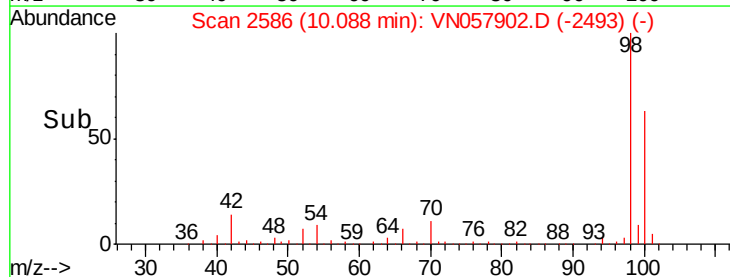
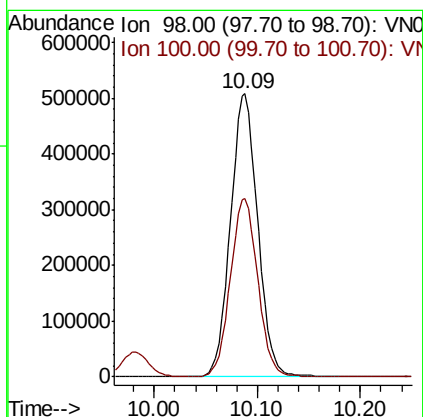
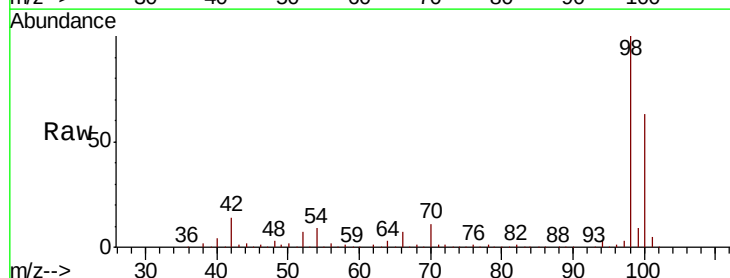
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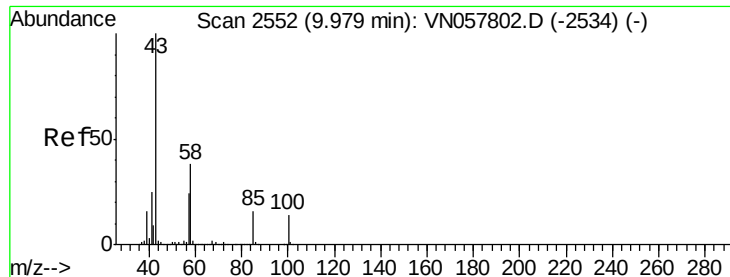
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#50
 Toluene-d8
 Concen: 50.895 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 102.665 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tot Ion: 43 Resp: 628363

Ion Ratio Lower Upper

43 100

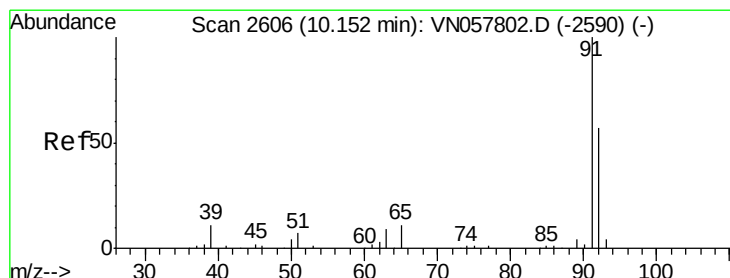
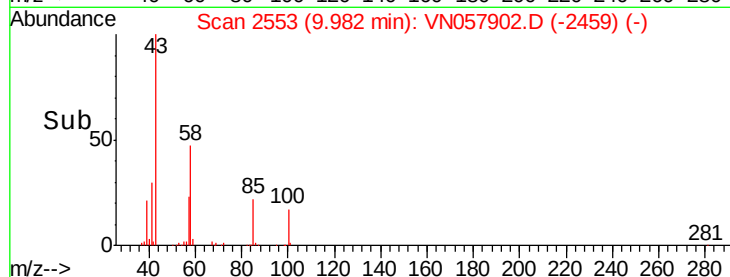
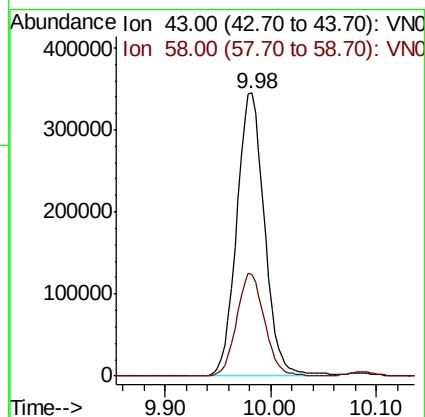
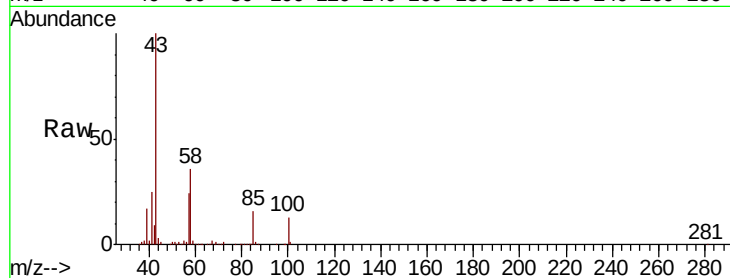
58 36.5 29.8 44.6

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#52

Toluene

Concen: 19.286 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057902.D

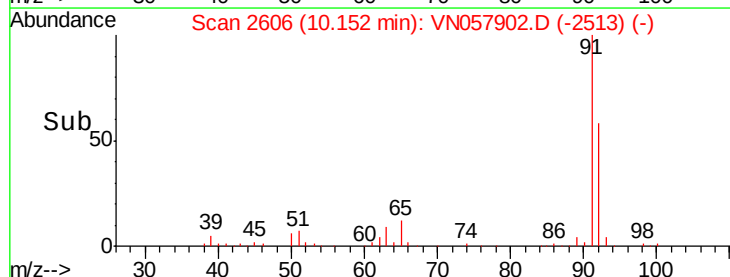
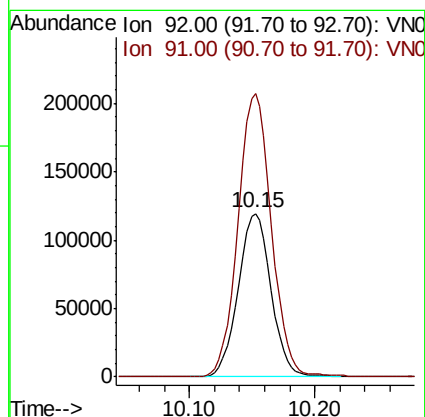
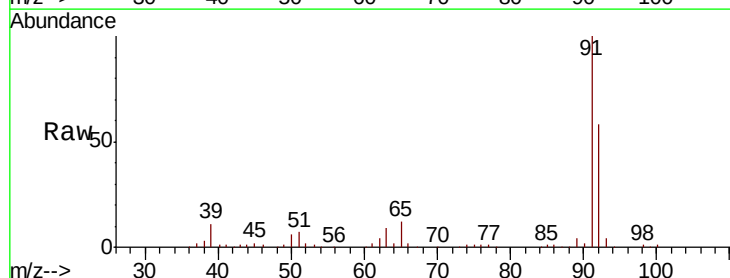
Acq: 11 Sep 2019 6:38

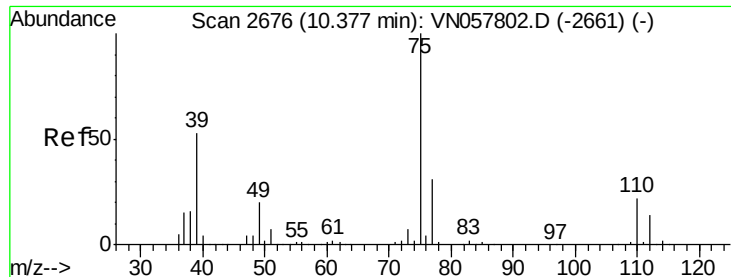
Tgt Ion: 92 Resp: 217695

Ion Ratio Lower Upper

92 100

91 176.8 141.0 211.6





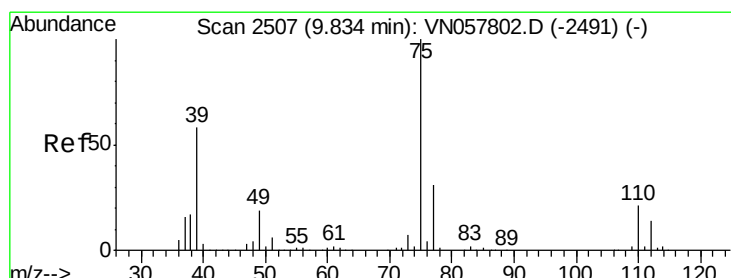
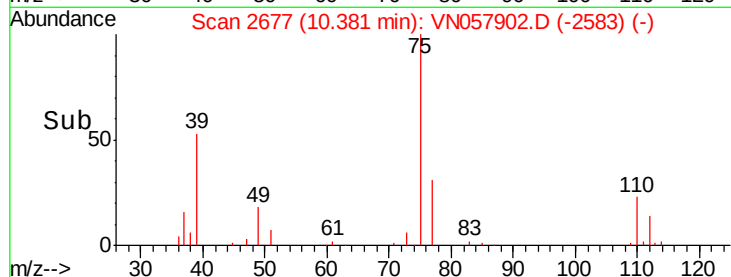
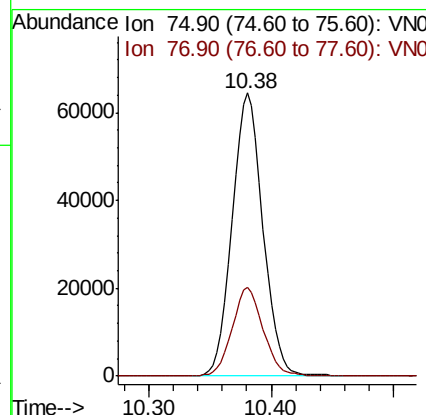
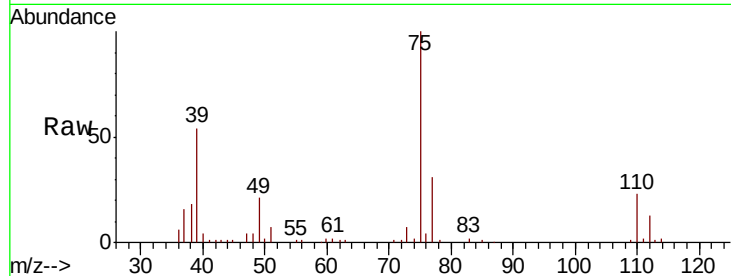
#53
t-1,3-Dichloropropene
Concen: 17.106 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD02

Tot Ion: 75 Resp: 113356
Ion Ratio Lower Upper
75 100
77 31.2 24.5 36.7

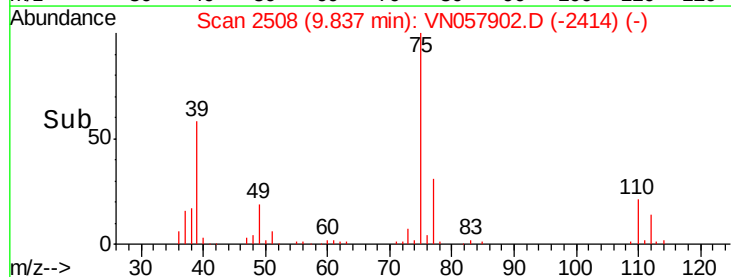
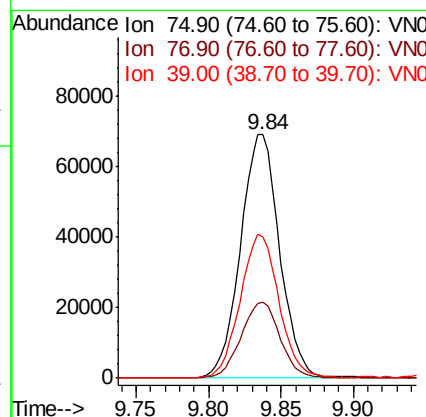
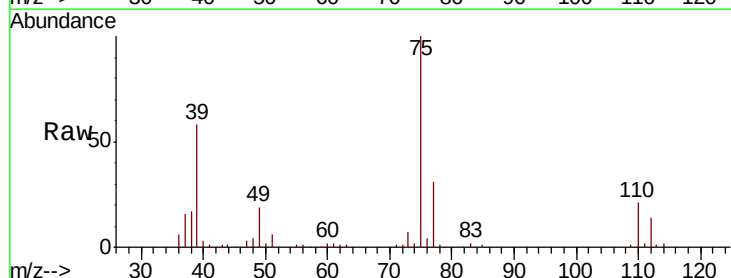
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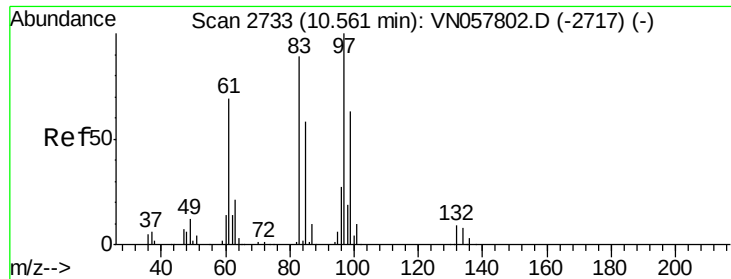
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#54
cis-1,3-Dichloropropene
Concen: 17.639 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 75 Resp: 129052
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 57.5 46.2 69.4





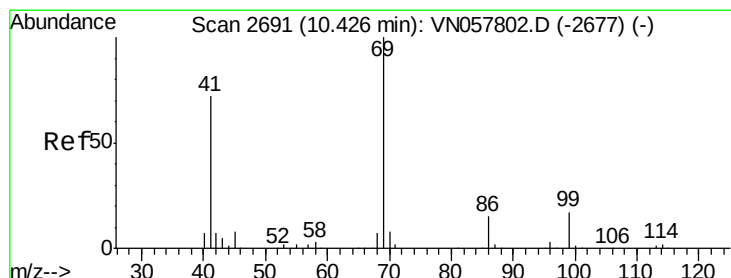
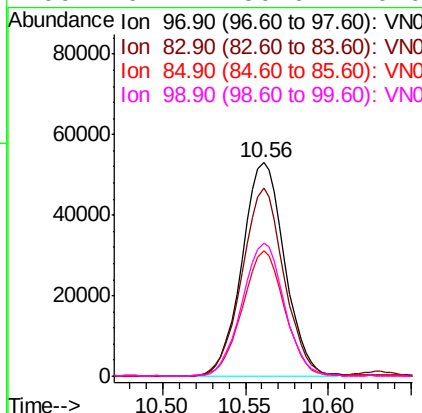
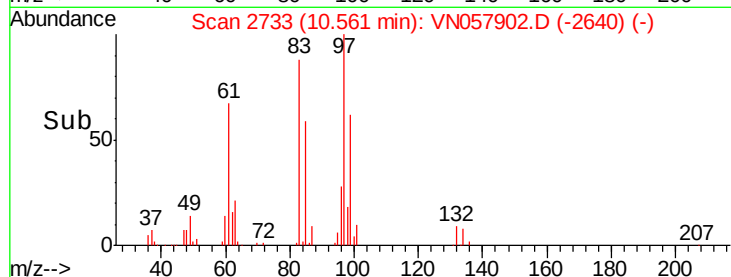
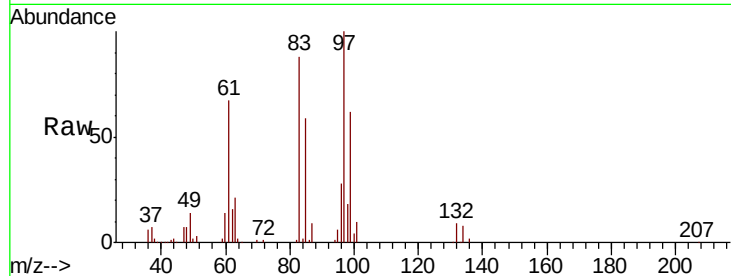
#55
 1,1,2-Trichloroethane
 Concen: 19.803 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion:	97	Resp:	94684
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.8	106.2
85	58.9	46.0	69.0
99	62.2	50.6	76.0

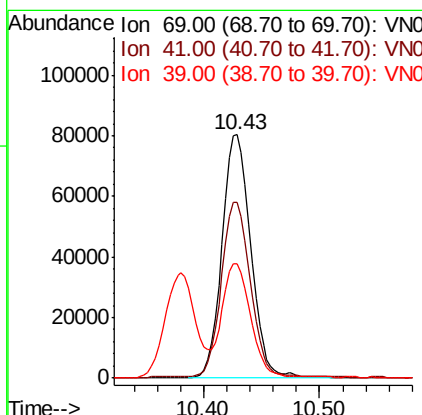
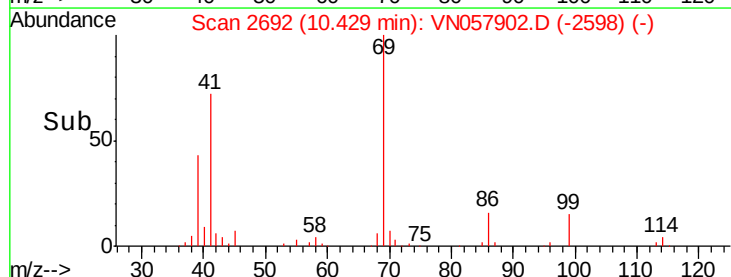
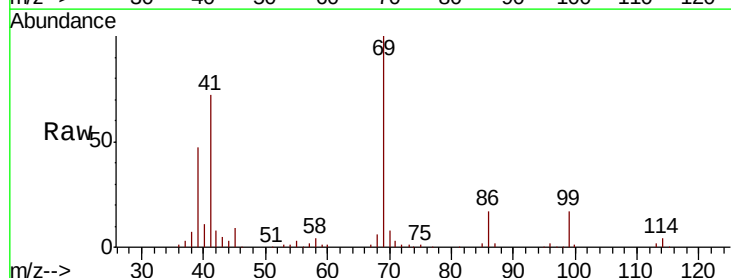
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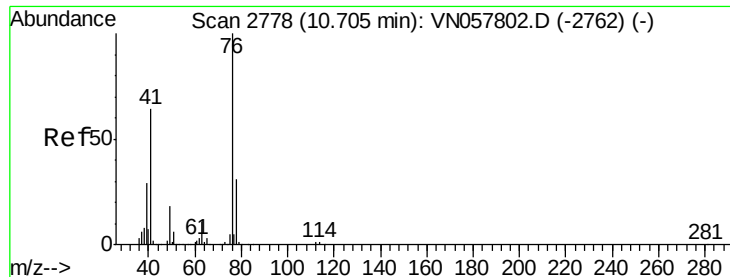
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#56
 Ethyl methacrylate
 Concen: 19.164 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion:	69	Resp:	137987
Ion	Ratio	Lower	Upper
69	100		
41	72.2	56.7	85.1
39	46.9	36.3	54.5





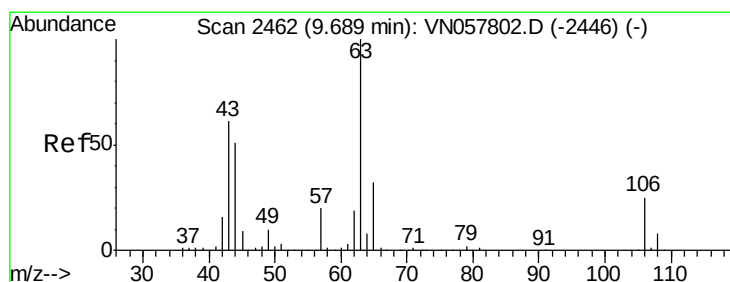
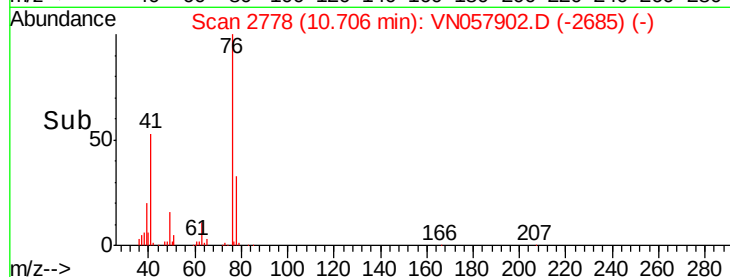
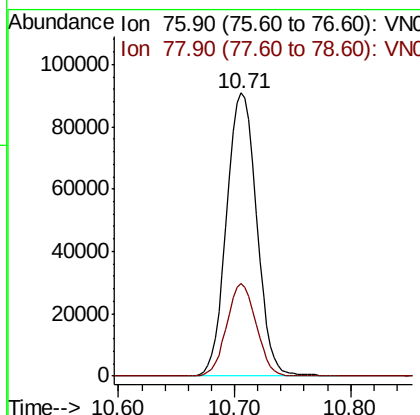
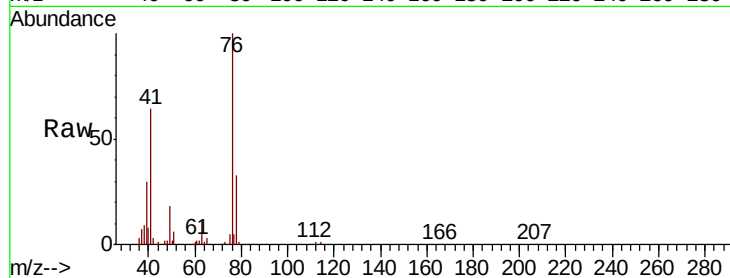
#57
 1,3-Dichloropropane
 Concen: 19.754 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.2

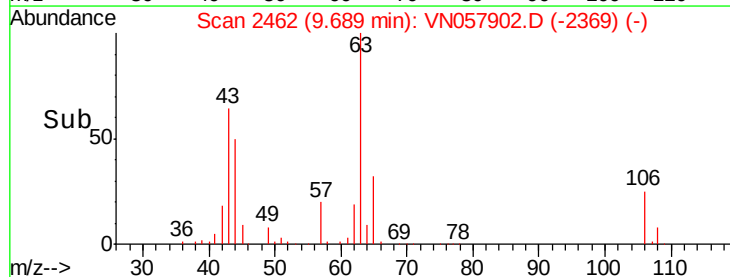
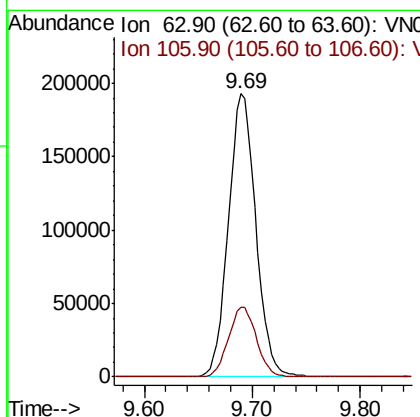
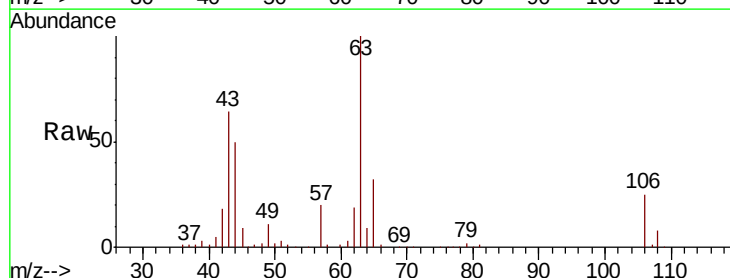
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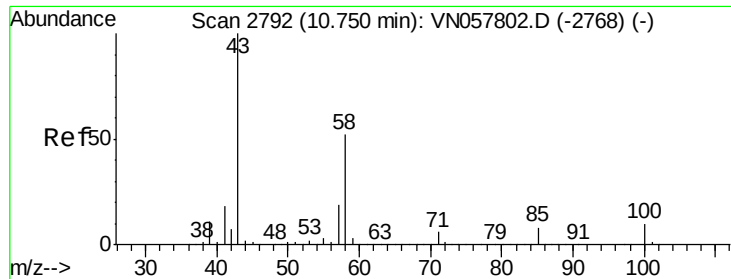
MMDadoda
 9/13/2019 7:07:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.971 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	20.0	30.0





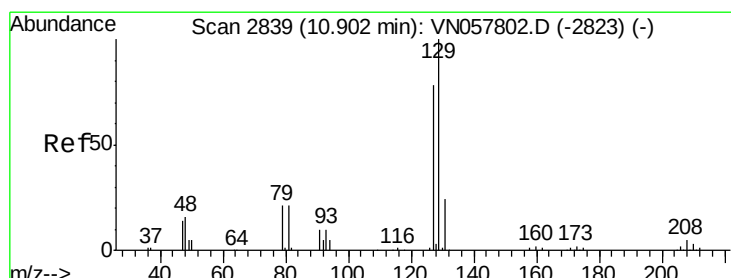
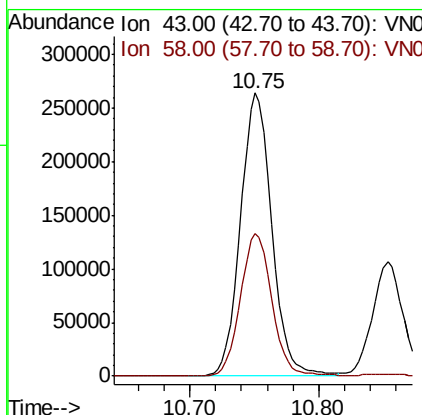
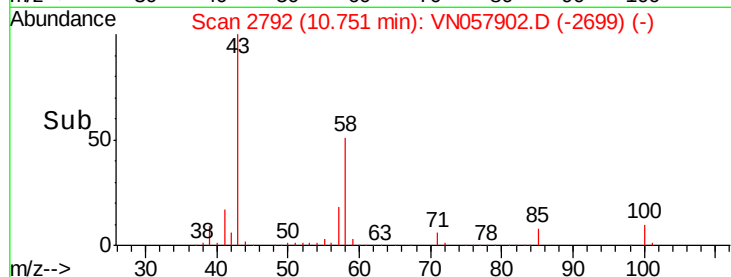
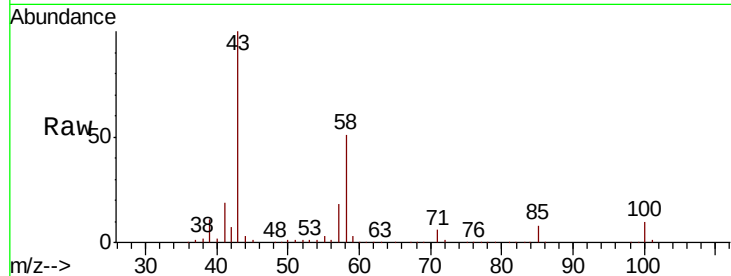
#59
2-Hexanone
Concen: 96.865 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion: 43 Resp: 444374
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8

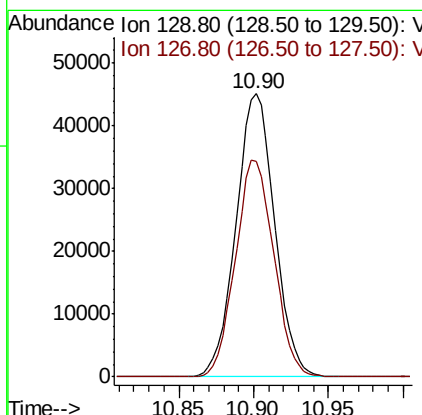
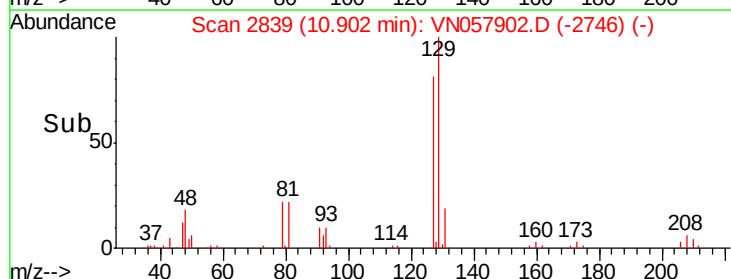
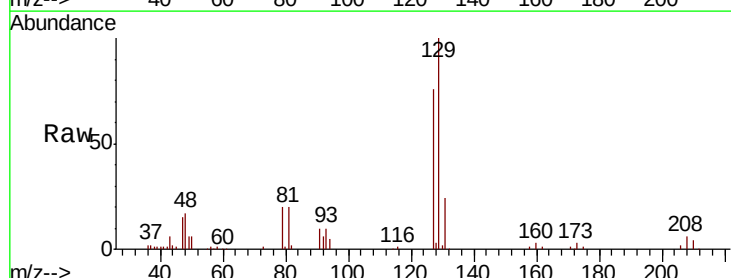
Manual Integrations
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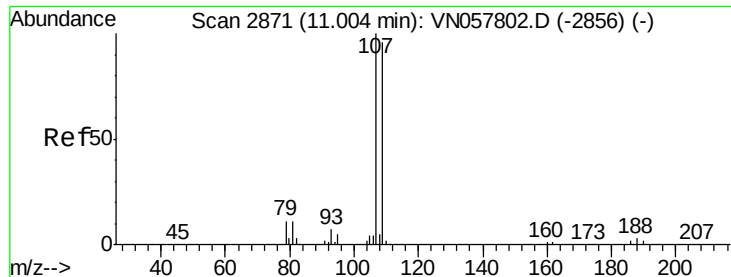
MMDadoda
9/13/2019 7:07:03 AM



#60
Dibromochloromethane
Concen: 18.231 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 129 Resp: 80946
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.187 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tot Ion: 107 Resp: 86731

Ion Ratio Lower Upper

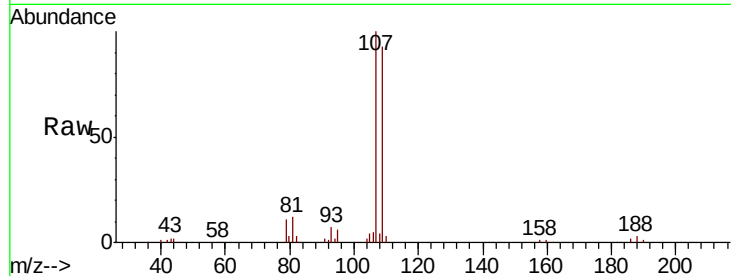
107 100

109 94.5 75.3 112.9

Manual Integrations
APPROVED

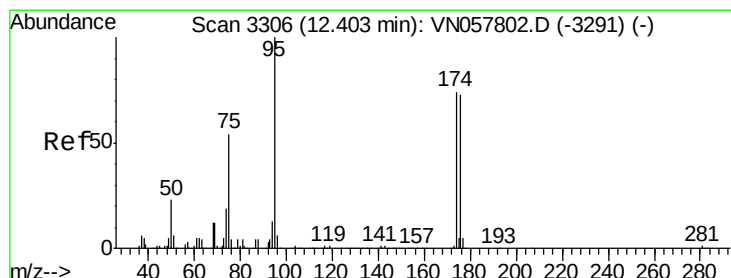
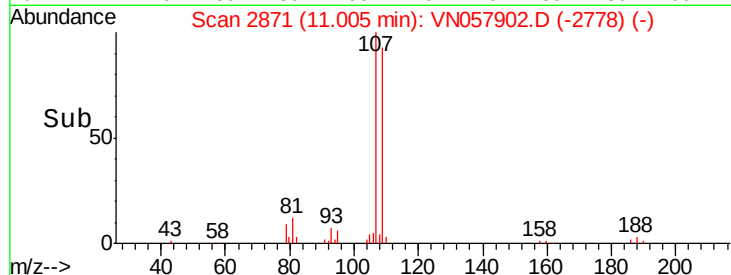
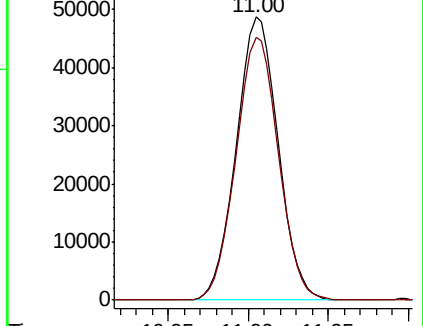
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.047 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

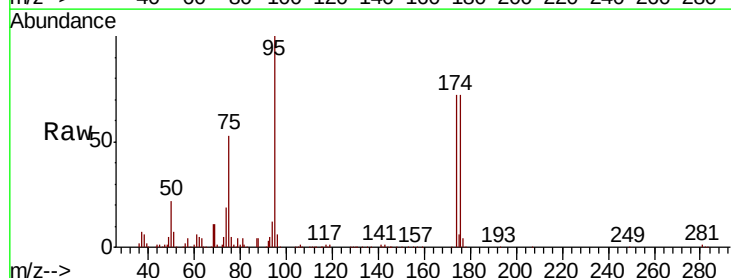
Tgt Ion: 95 Resp: 322762

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

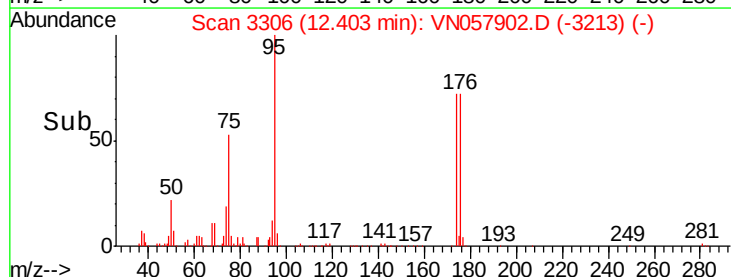
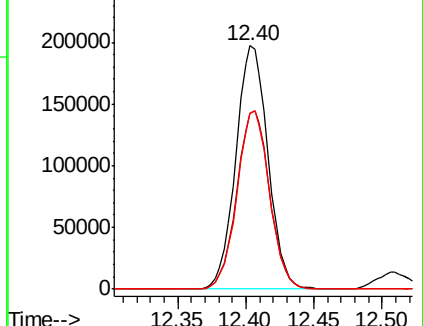
176 73.4 0.0 146.0

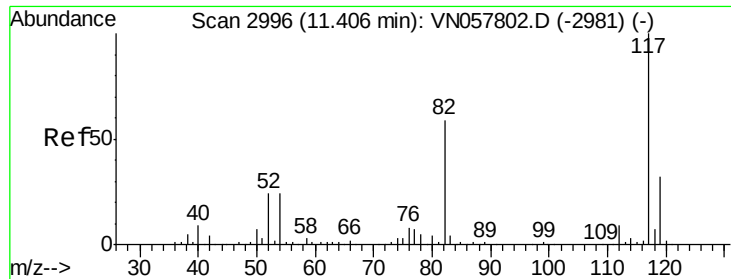


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





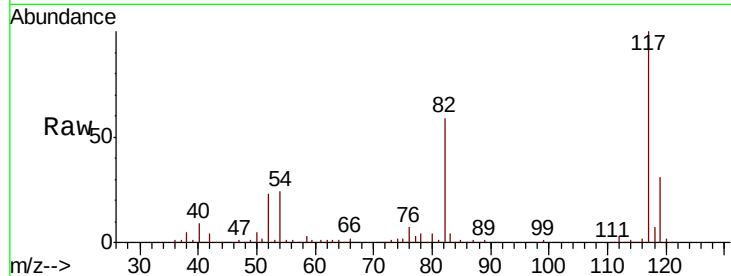
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.2	70.8
119	31.2	25.3	37.9

Manual Integrations
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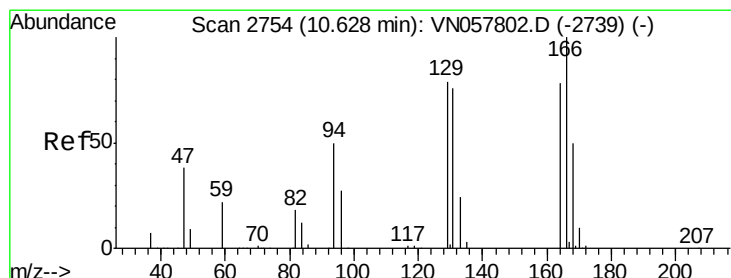
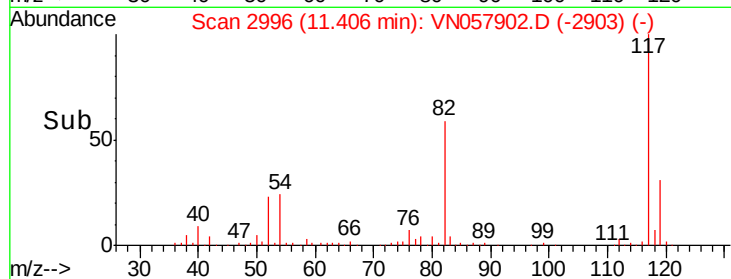
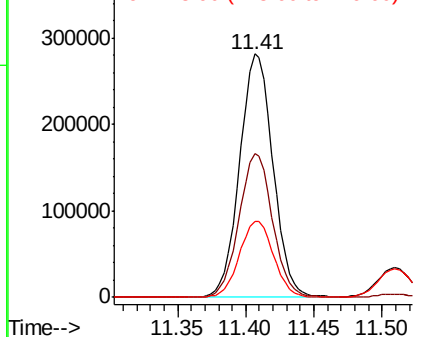


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.046 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	102.2	153.2
129	97.5	80.8	121.2
131	93.0	77.4	116.2

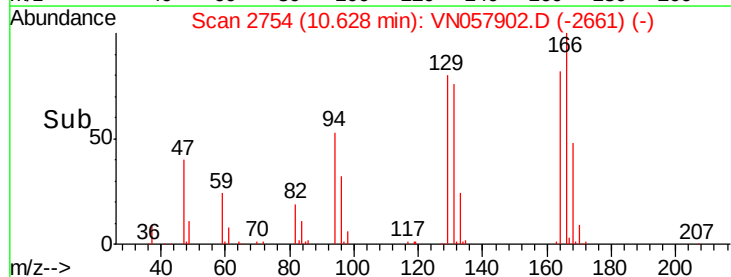
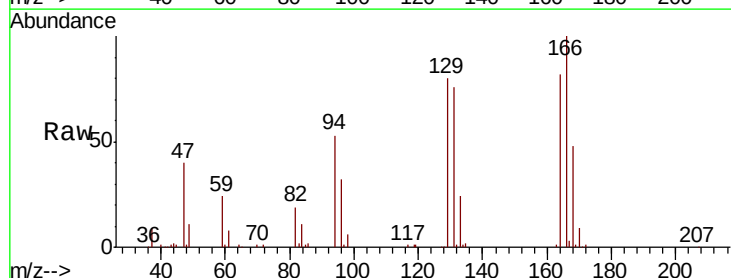
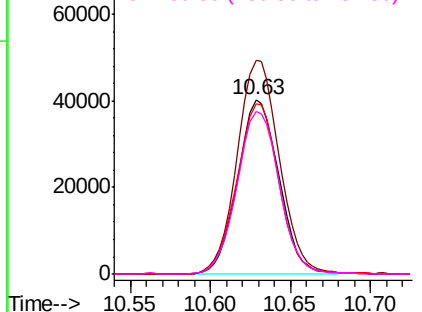
Abundance

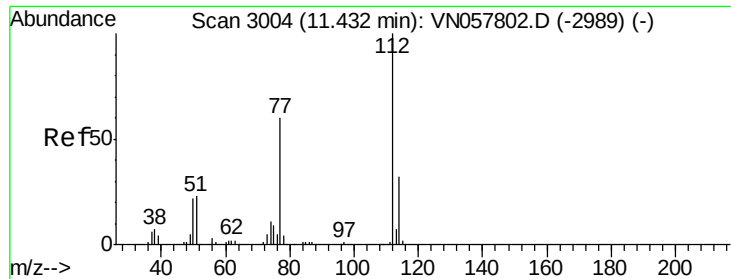
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.528 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tot Ion:112 Resp: 244734

Ion Ratio Lower Upper

112 100

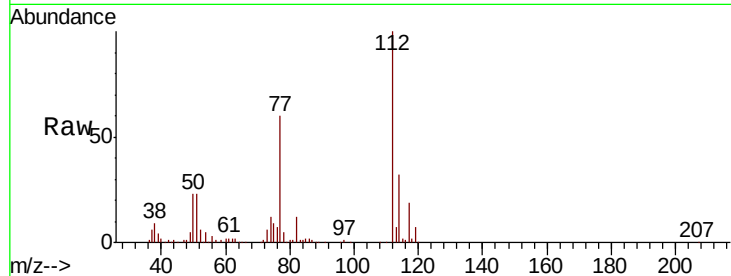
114 31.8 25.2 37.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

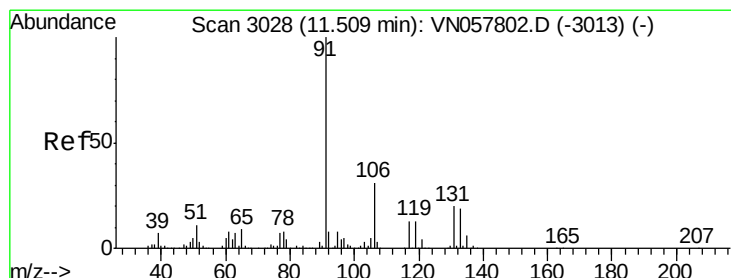
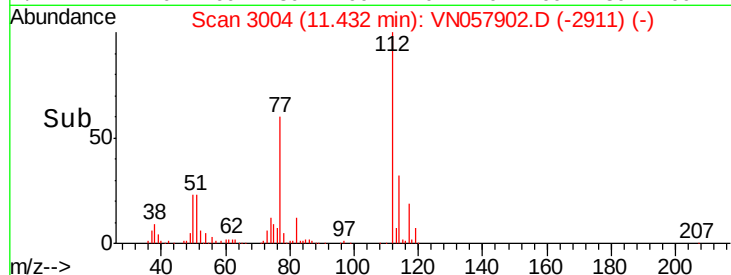
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.287 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

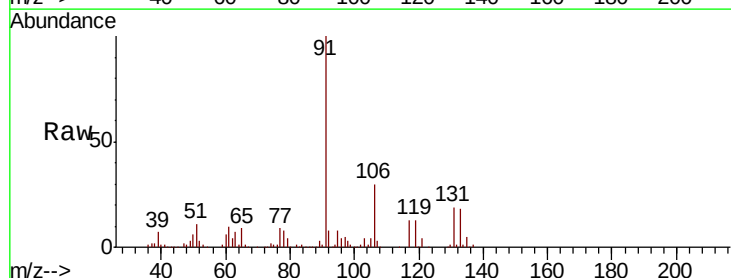
Tgt Ion:131 Resp: 83873

Ion Ratio Lower Upper

131 100

133 93.6 47.1 141.3

119 67.4 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

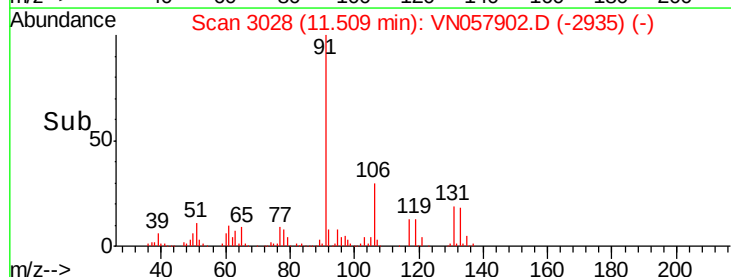
60000

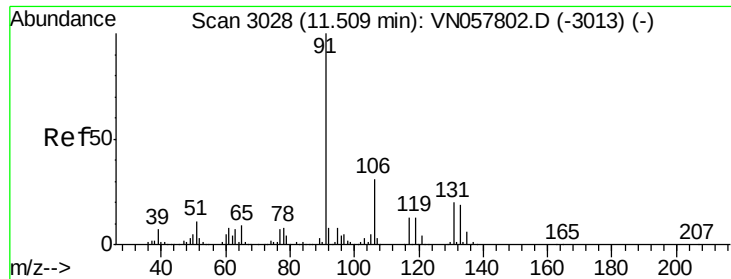
40000

20000

0

Time-->





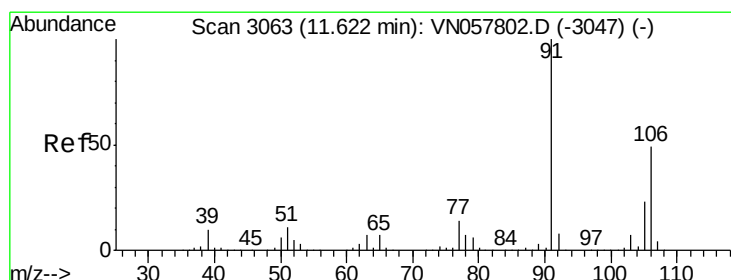
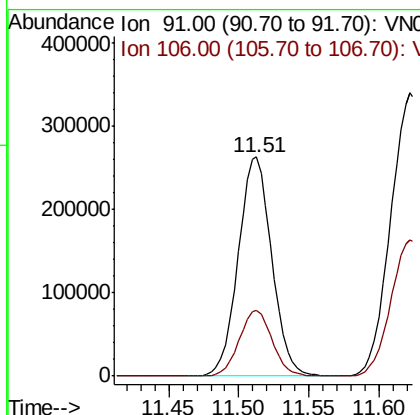
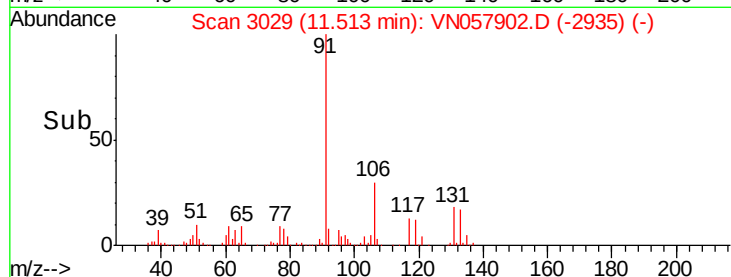
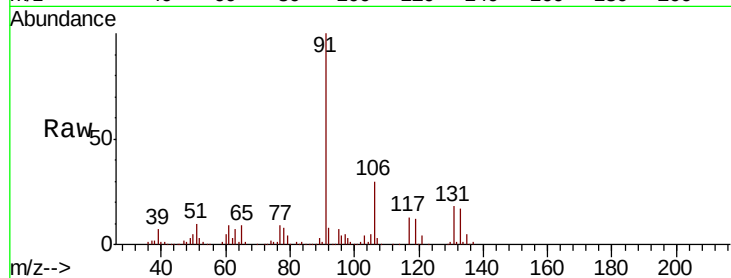
#67
Ethyl Benzene
Concen: 19.930 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion: 91 Resp: 437730
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

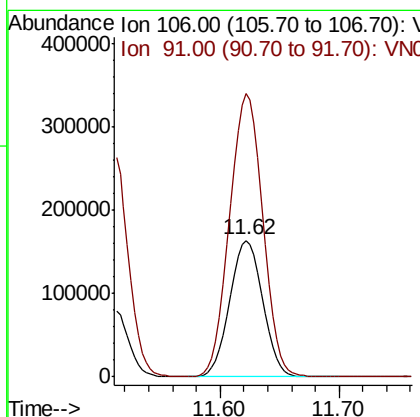
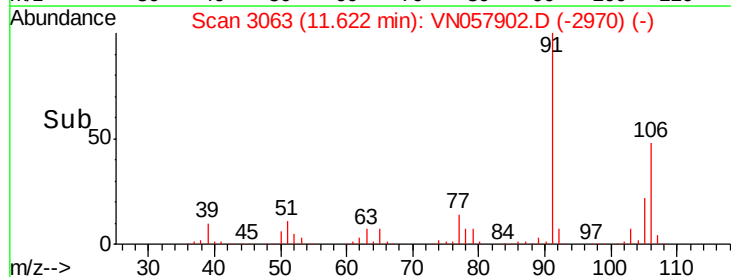
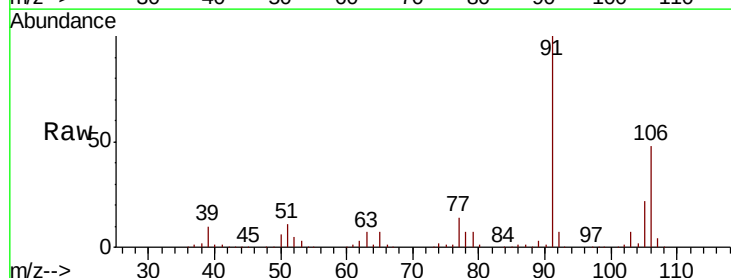
Manual Integrations
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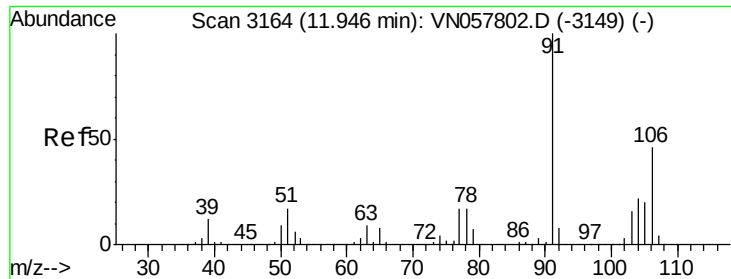
MMDadoda
9/13/2019 7:07:03 AM



#68
m/p-Xylenes
Concen: 39.262 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 106 Resp: 315871
Ion Ratio Lower Upper
106 100
91 208.4 165.8 248.6





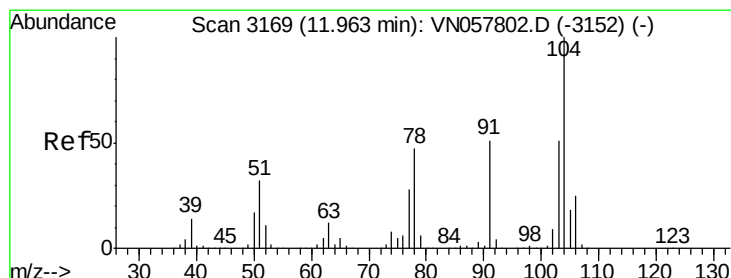
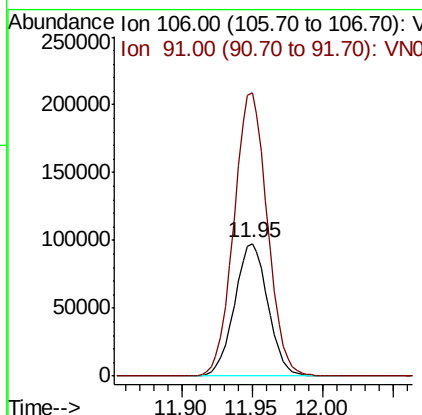
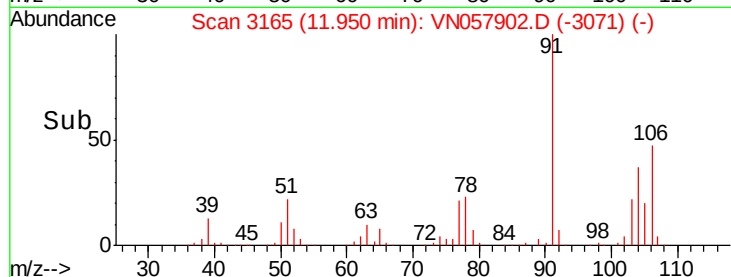
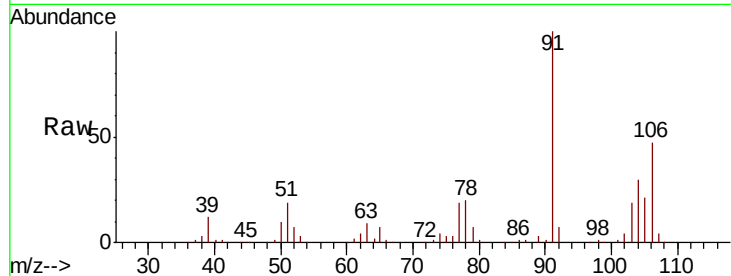
#69
o-Xylene
Concen: 20.287 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion:106 Resp: 162255
Ion Ratio Lower Upper
106 100
91 214.4 108.7 326.1

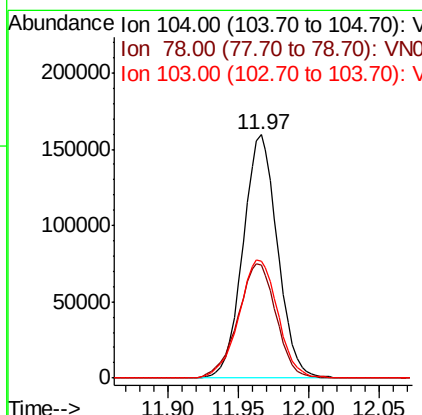
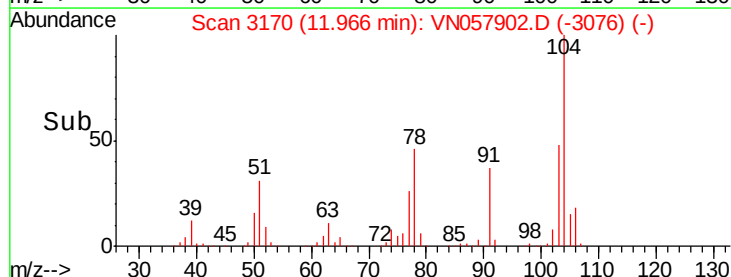
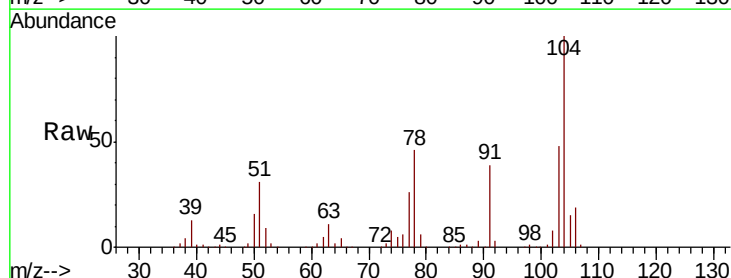
Manual Integrations
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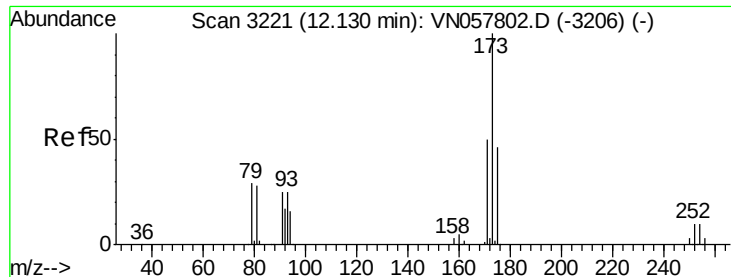
MMDadoda
9/13/2019 7:07:03 AM



#70
Styrene
Concen: 19.897 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion:104 Resp: 273874
Ion Ratio Lower Upper
104 100
78 52.0 41.3 61.9
103 54.5 43.7 65.5





#71

Bromoform

Concen: 17.694 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tot Ion:173 Resp: 47973

Ion Ratio Lower Upper

173 100

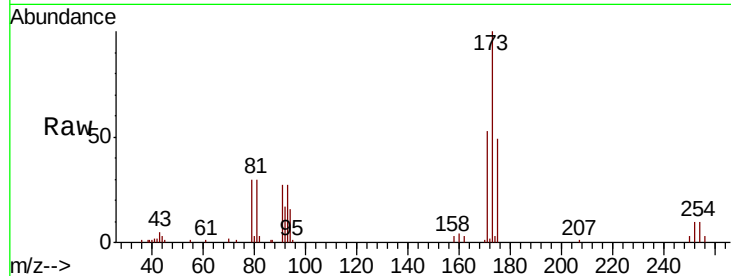
175 47.8 23.5 70.6

254 0.0 0.1 0.1#

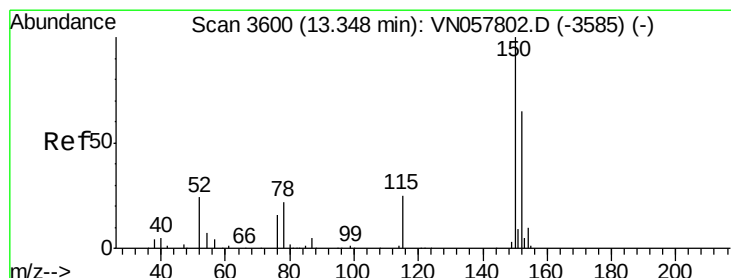
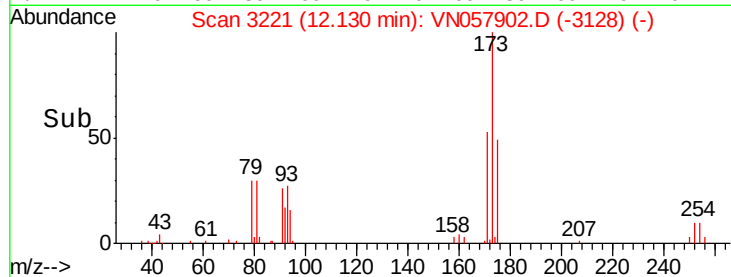
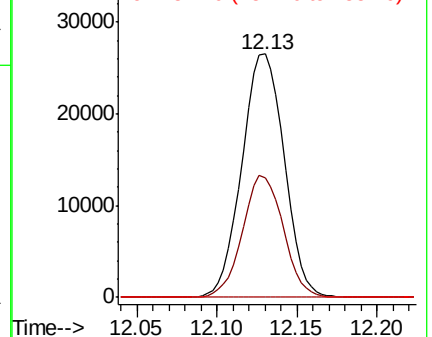
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

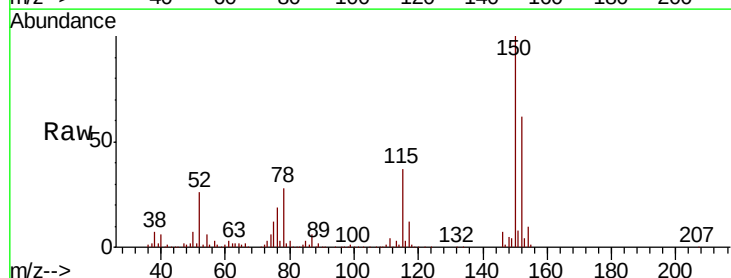
Tgt Ion:152 Resp: 270709

Ion Ratio Lower Upper

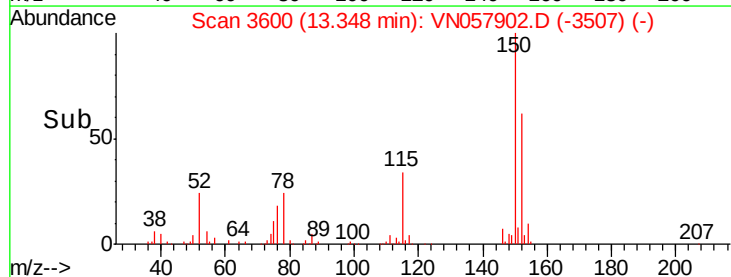
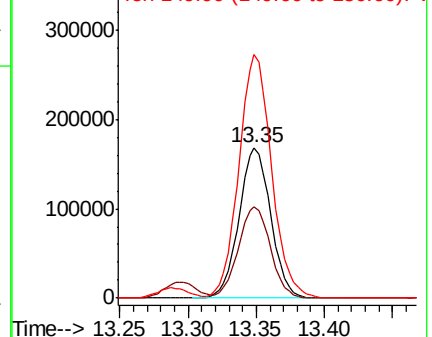
152 100

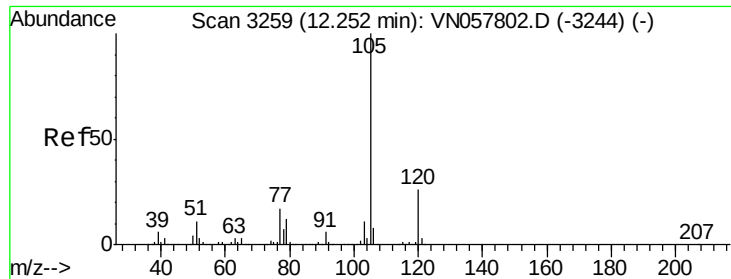
115 61.9 30.3 91.0

150 167.1 0.0 352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.818 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tot Ion: 105 Resp: 437314

Ion Ratio Lower Upper

105 100

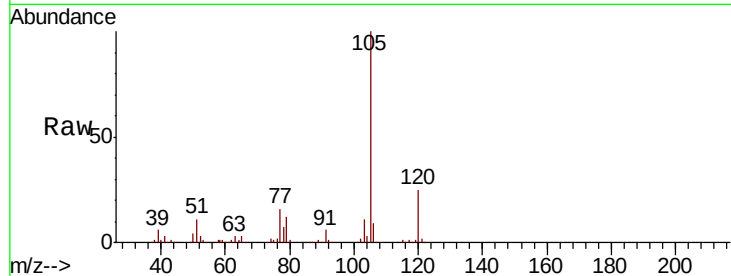
120 25.8 12.8 38.4

Manual Integrations

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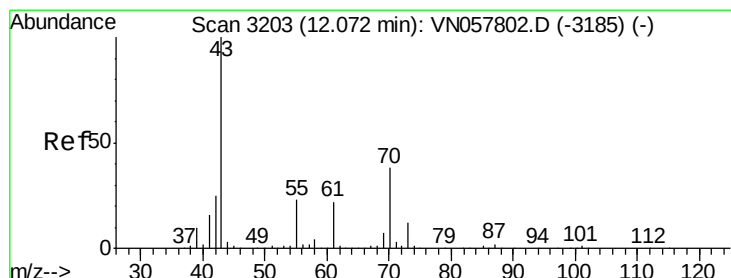
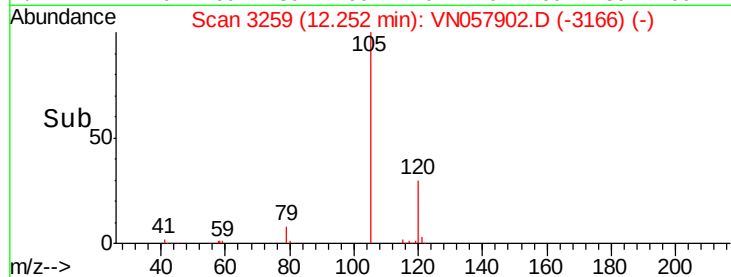
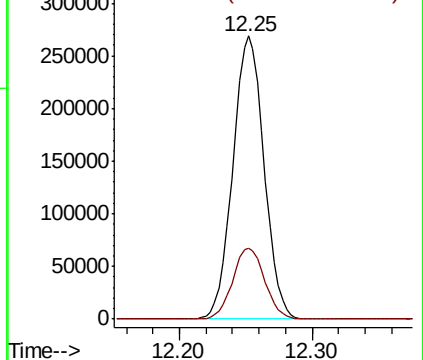
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.615 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion: 43 Resp: 179323

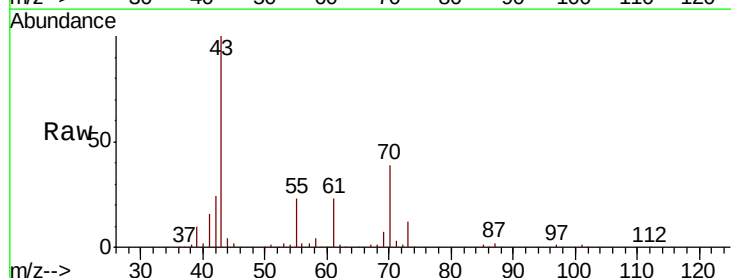
Ion Ratio Lower Upper

43 100

70 38.9 30.6 45.8

55 23.7 18.6 27.8

61 23.0 17.4 26.2

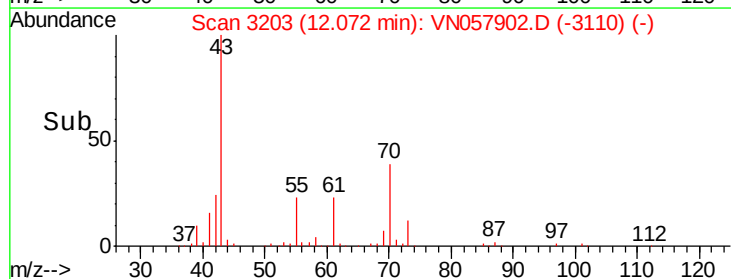
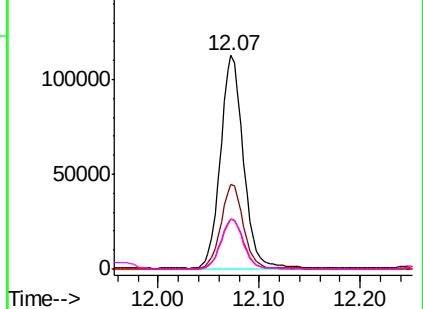


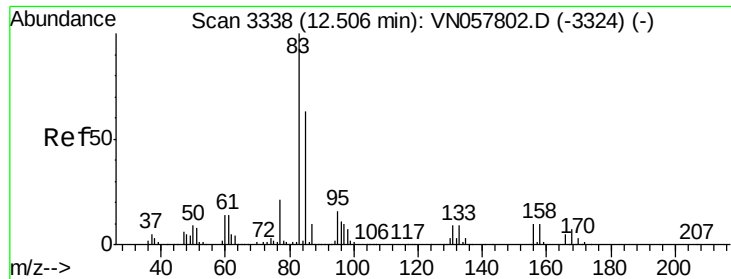
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.593 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

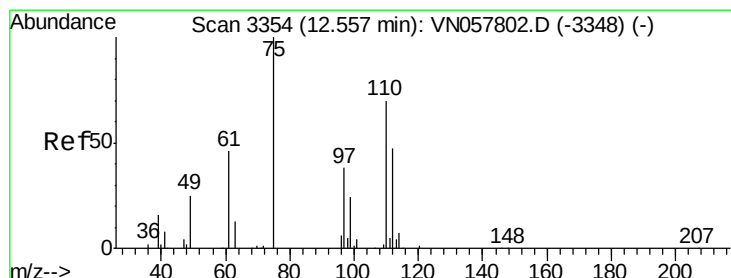
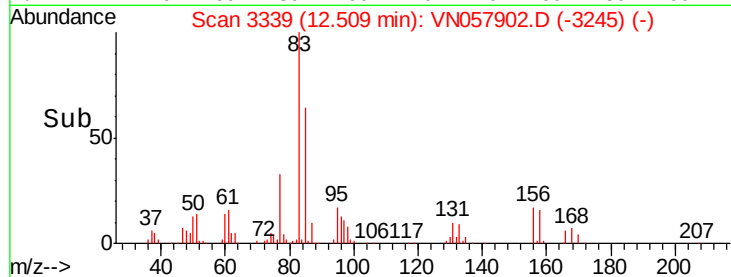
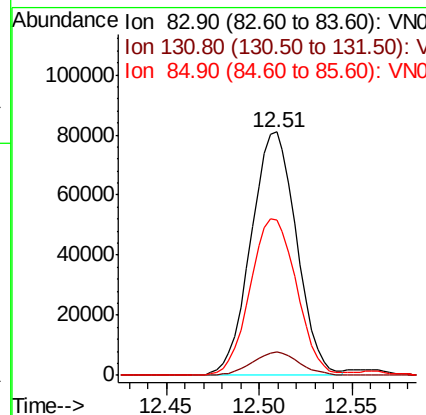
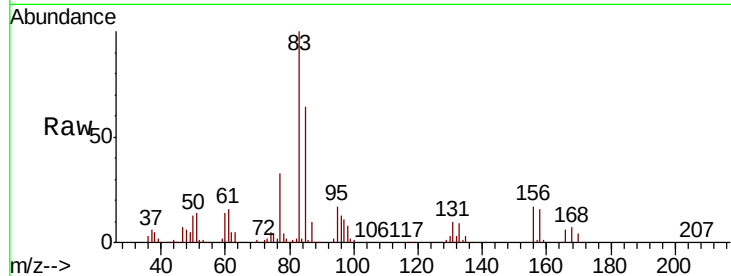
ClientSampleId :

VN0911WBSD02

Tot Ion:	83	Resp:	138574
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	65.5	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.356 ug/l m

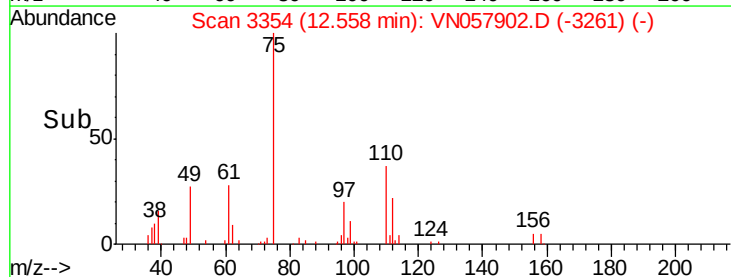
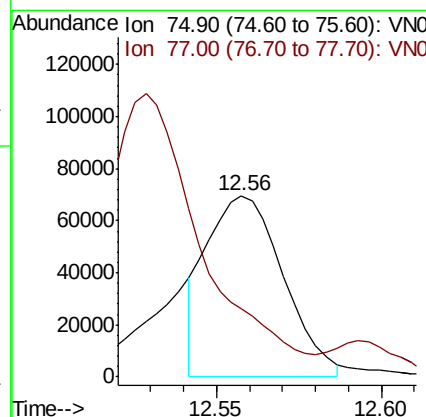
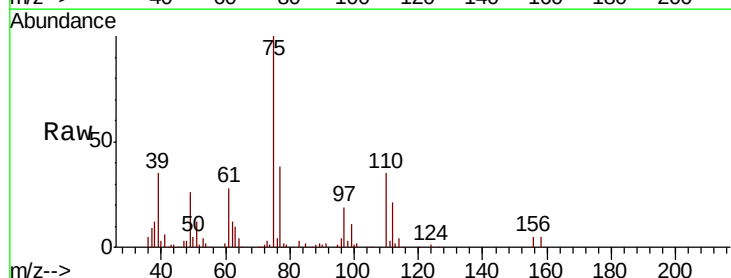
RT: 12.56 min Scan# 3354

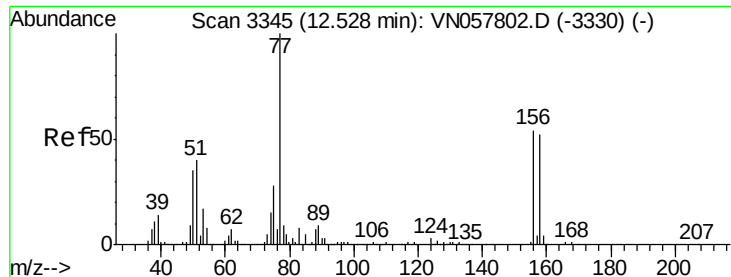
Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion:	75	Resp:	112410
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.694 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

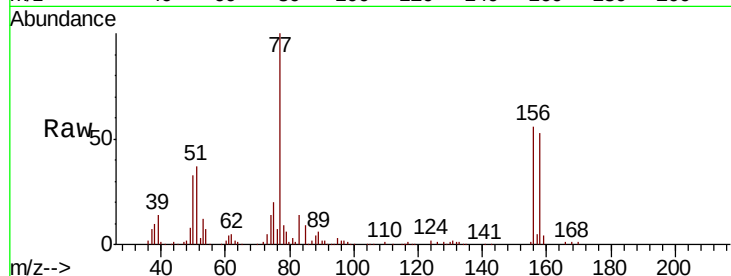
ClientSampleId :

VN0911WBSD02

Tot Ion:	156	Resp:	103142
Ion Ratio	Lower	Upper	
156	100		
77	217.7	113.7	341.1
158	97.4	48.5	145.6

Manual Integrations
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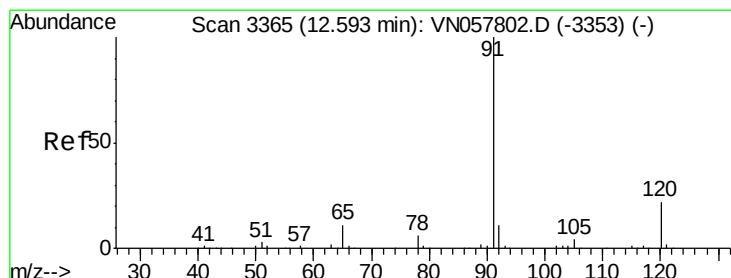
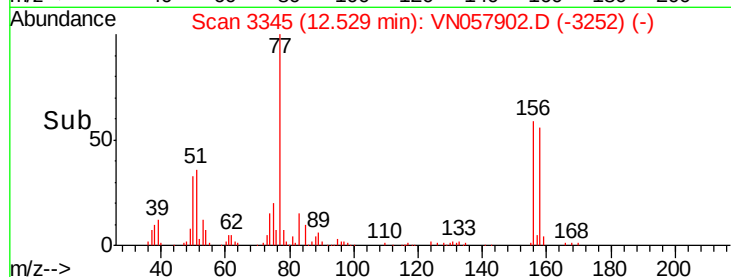
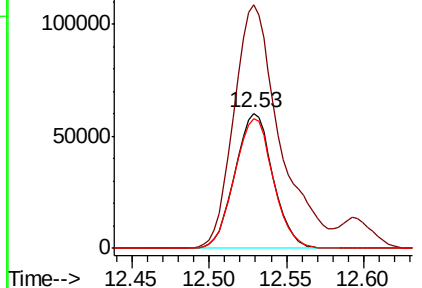
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.936 ug/l

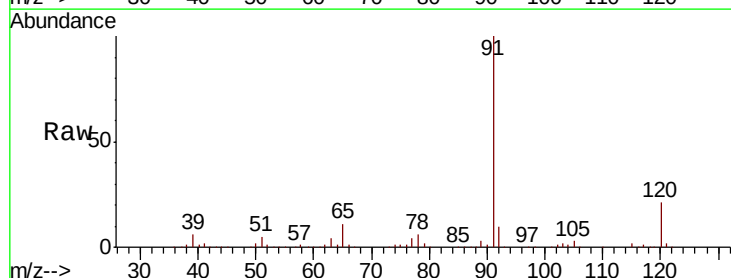
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057902.D

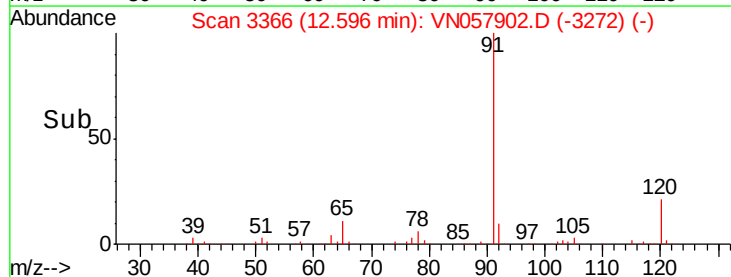
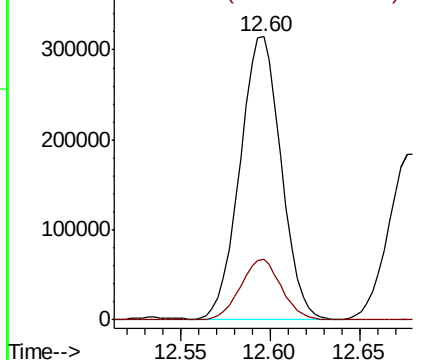
Acq: 11 Sep 2019 6:38

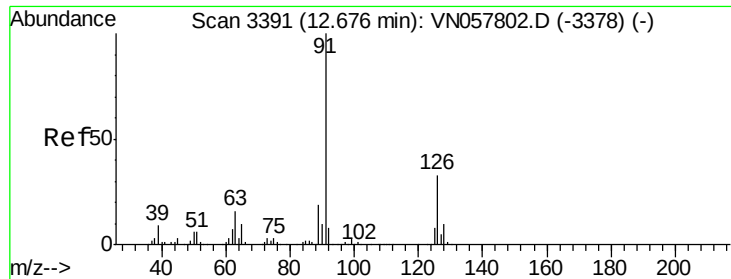
Tgt Ion:	91	Resp:	504997
Ion Ratio	Lower	Upper	
91	100		
120	21.5	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.870 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tot Ion: 91 Resp: 302935

Ion Ratio Lower Upper

91 100

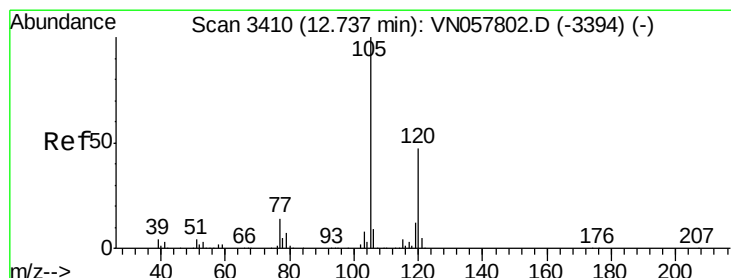
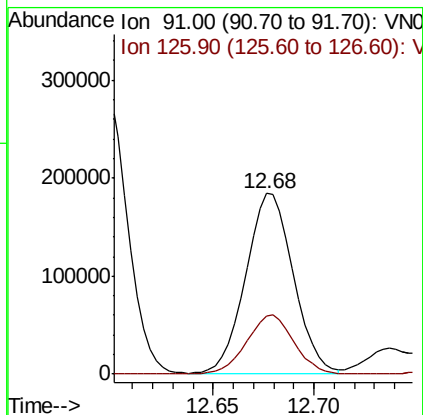
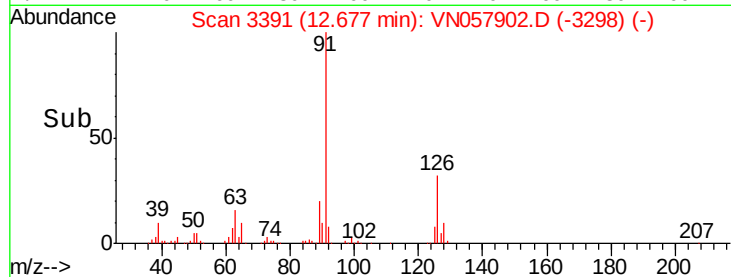
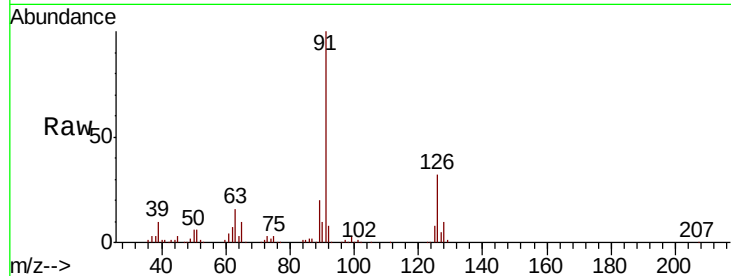
126 32.7 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.860 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057902.D

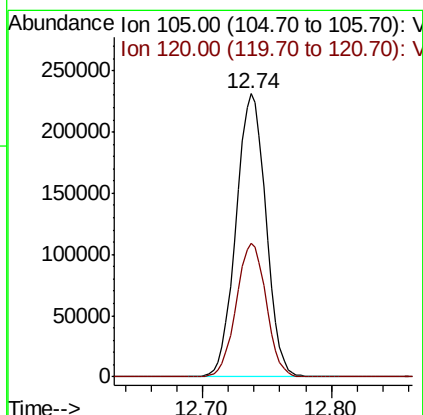
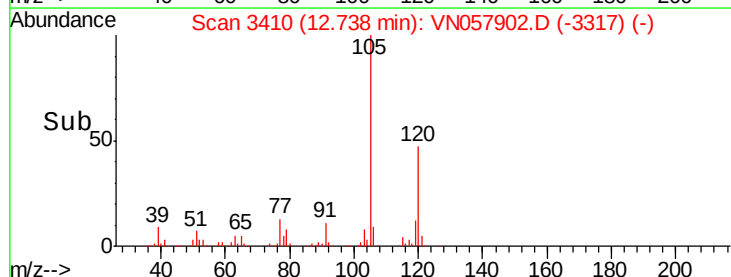
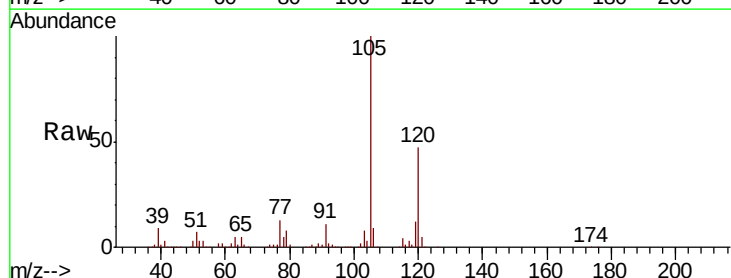
Acq: 11 Sep 2019 6:38

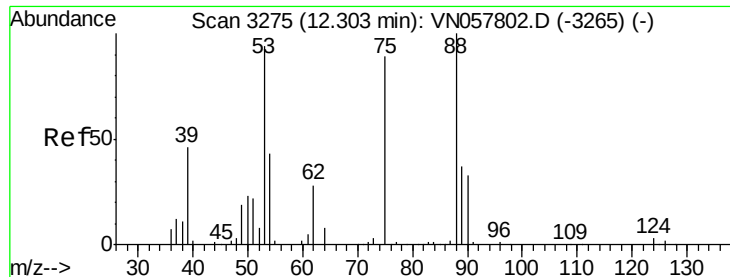
Tgt Ion: 105 Resp: 370246

Ion Ratio Lower Upper

105 100

120 47.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.789 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

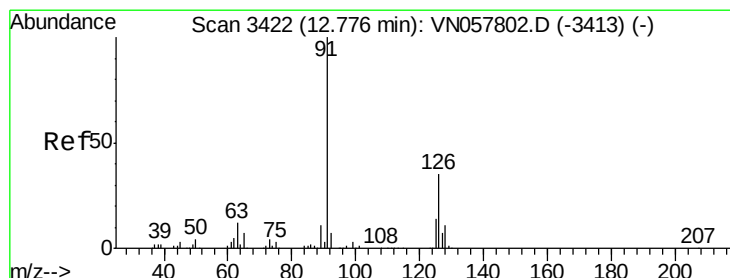
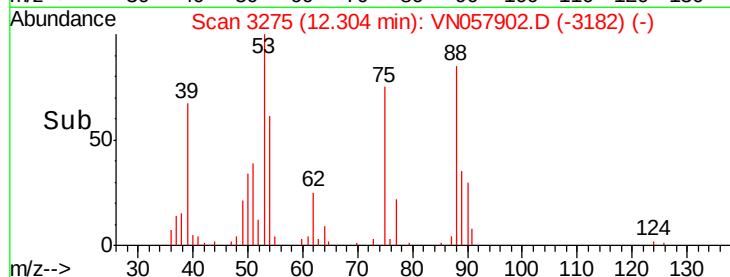
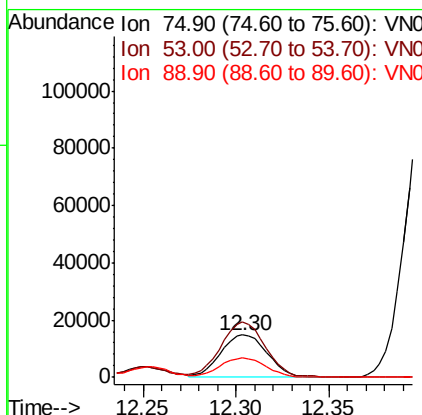
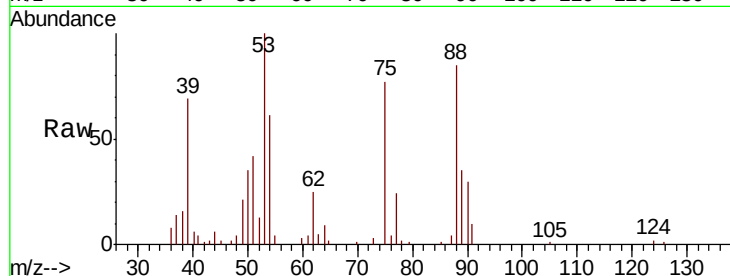
ClientSampleId :

VN0911WBSD02

Tot Ion:	75	Resp:	25737
Ion Ratio	Lower	Upper	
75	100		
53	126.1	88.4	132.6
89	45.7	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.613 ug/l

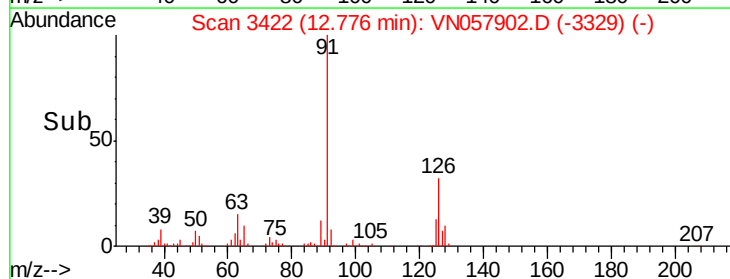
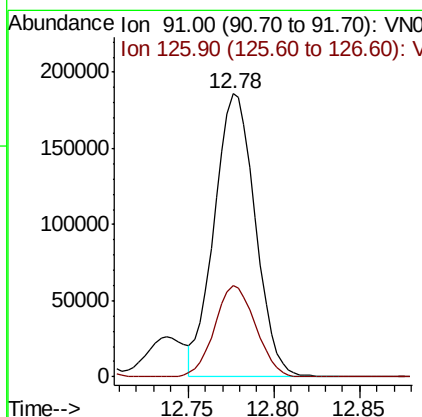
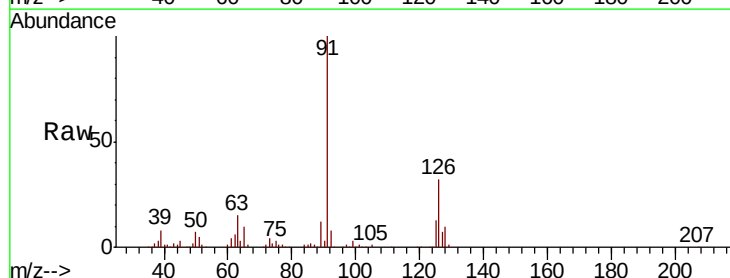
RT: 12.78 min Scan# 3422

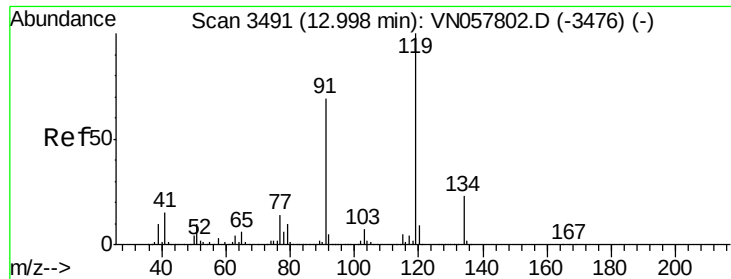
Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion:	91	Resp:	307067
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.0	48.0





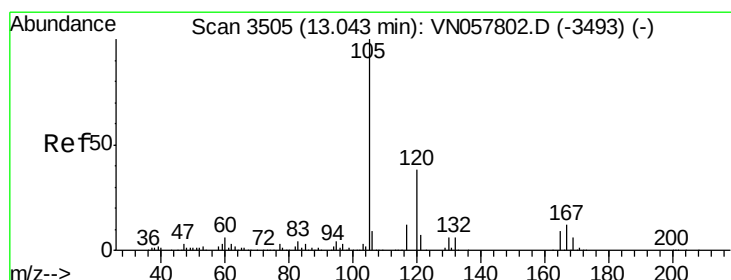
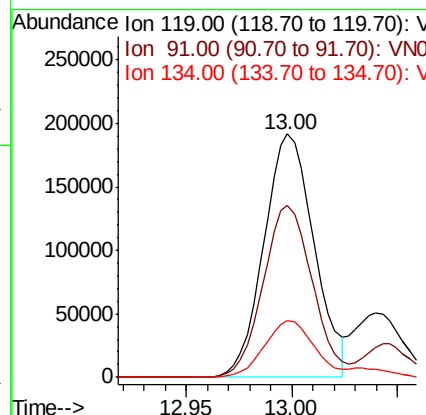
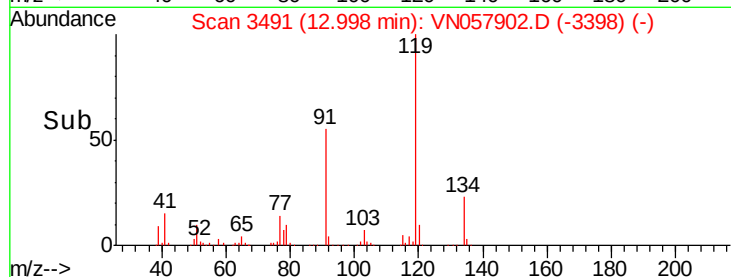
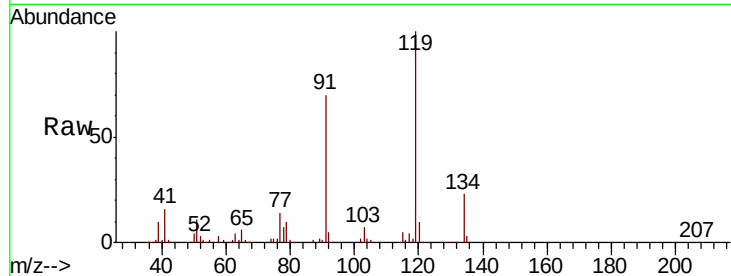
#83
 tert-Butylbenzene
 Concen: 20.144 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	317818		
91	69.4	33.6	100.8	
134	23.4	11.7	35.0	

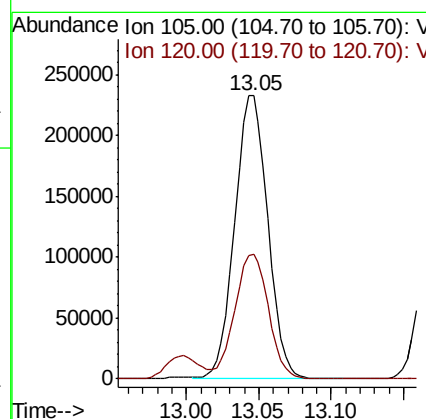
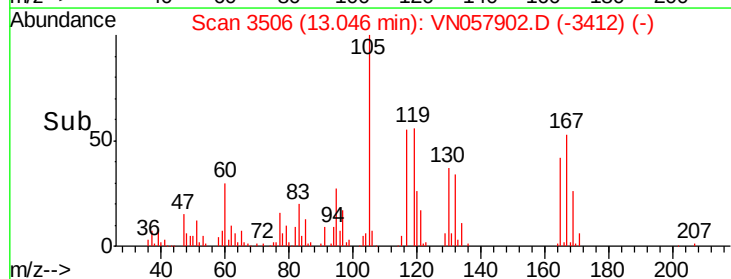
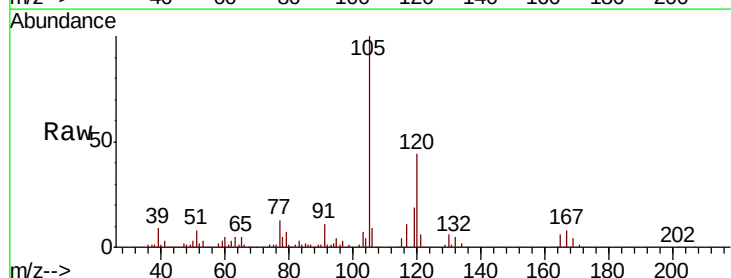
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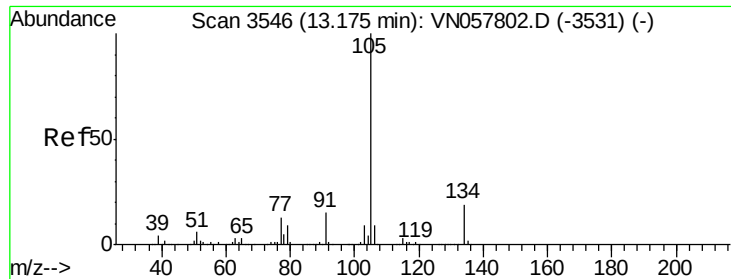
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.372 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	367501		
120	45.0	22.4	67.2	





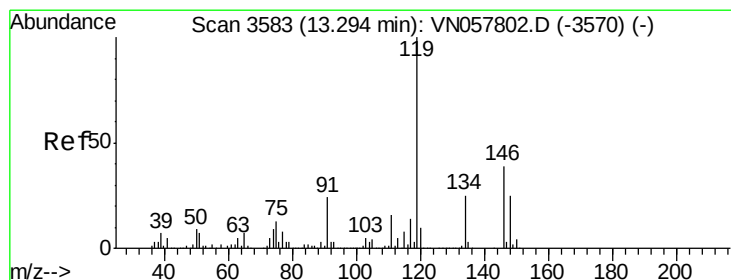
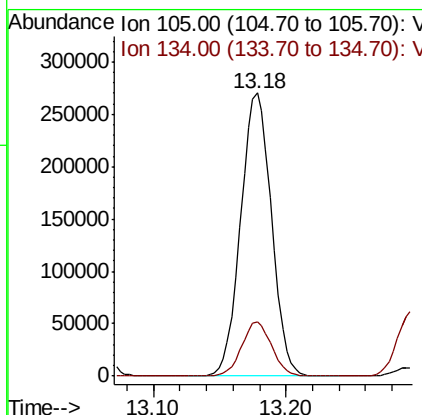
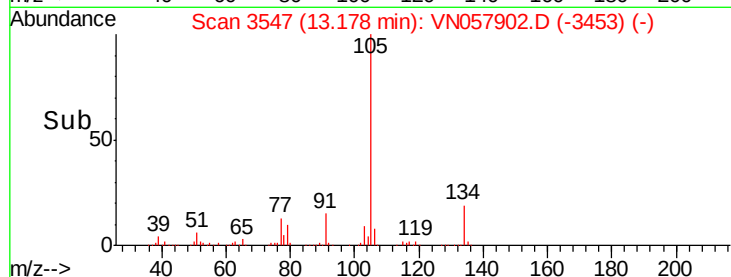
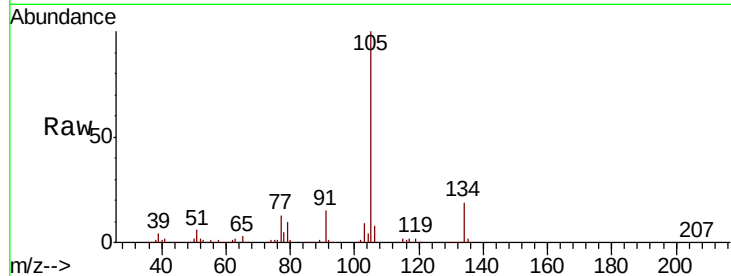
#85
 sec-Butylbenzene
 Concen: 20.767 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.6	28.6

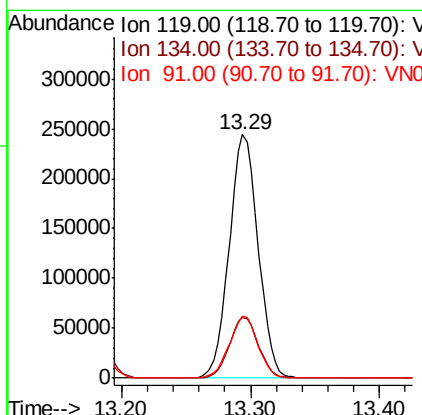
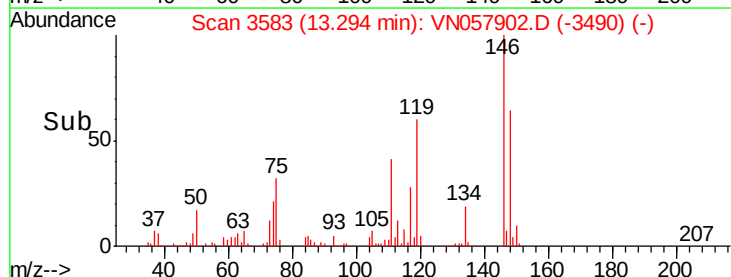
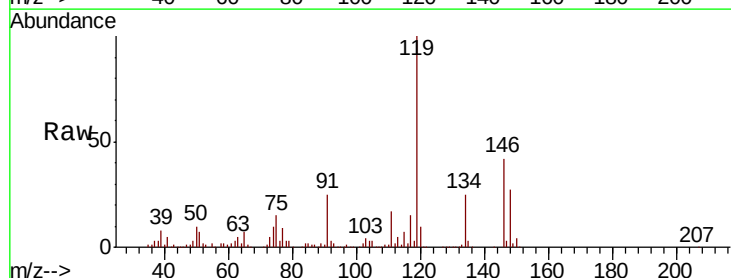
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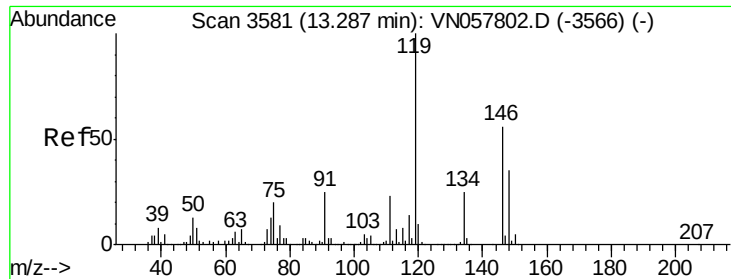
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#86
 p-Isopropyltoluene
 Concen: 20.527 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	25.2	12.3	36.8





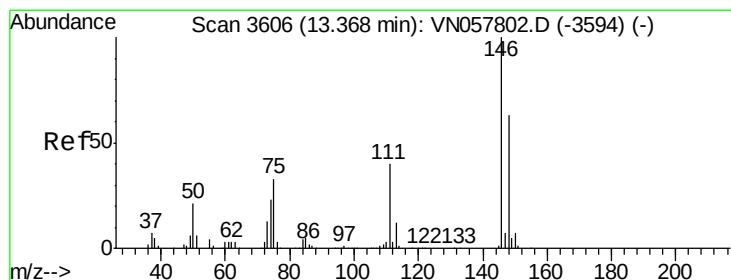
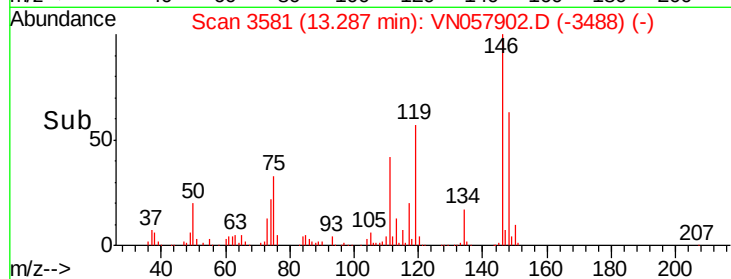
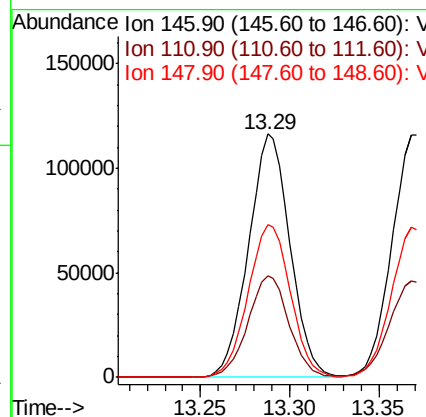
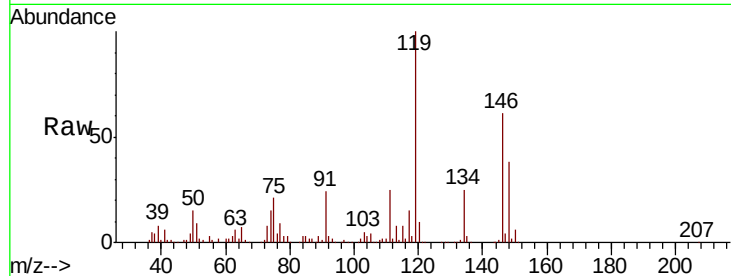
#87
 1,3-Dichlorobenzene
 Concen: 19.656 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188954		
111	41.3	20.5	61.6	
148	64.1	31.5	94.5	

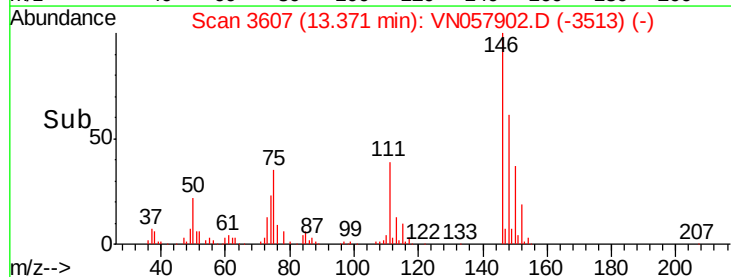
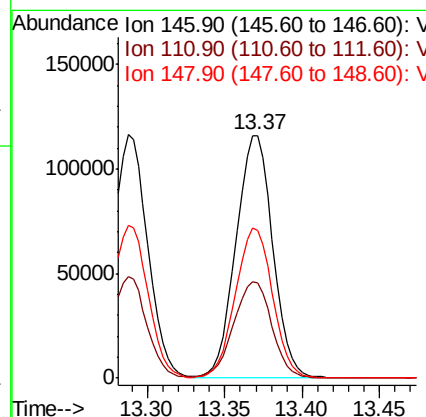
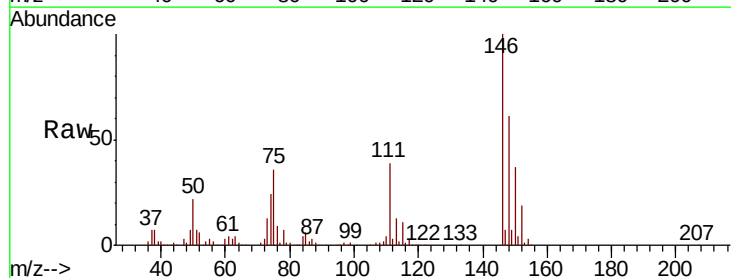
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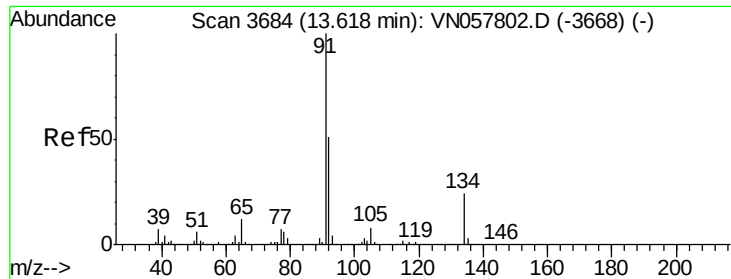
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#88
 1,4-Dichlorobenzene
 Concen: 19.564 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	190901		
111	41.4	20.4	61.2	
148	62.4	31.8	95.4	





#89

n-Butylbenzene

Concen: 19.628 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

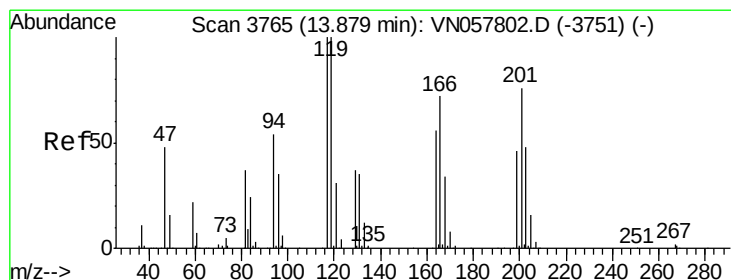
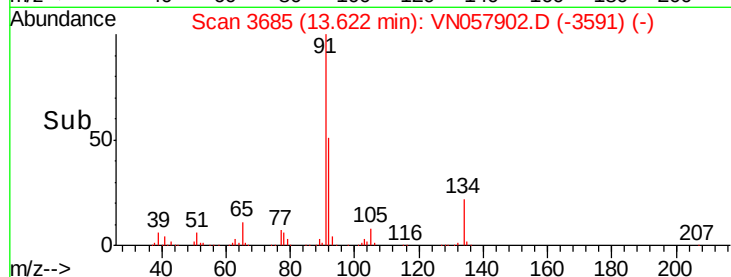
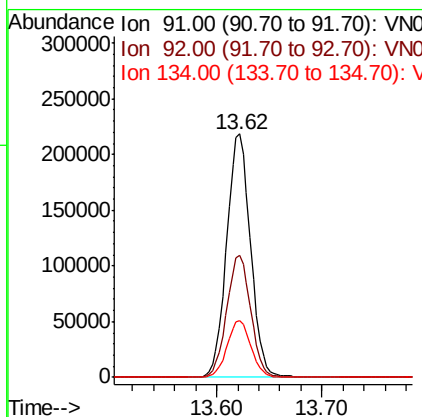
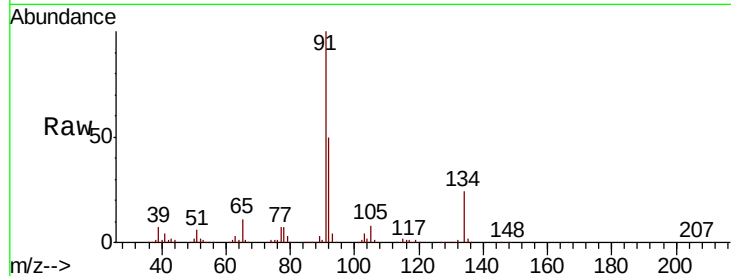
ClientSampleId :

VN0911WBSD02

Tot Ion:	91	Resp:	341523
Ion Ratio	Lower	Upper	
91	100		
92	50.4	25.7	77.0
134	23.4	11.9	35.7

Manual Integrations
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#90

Hexachloroethane

Concen: 18.833 ug/l

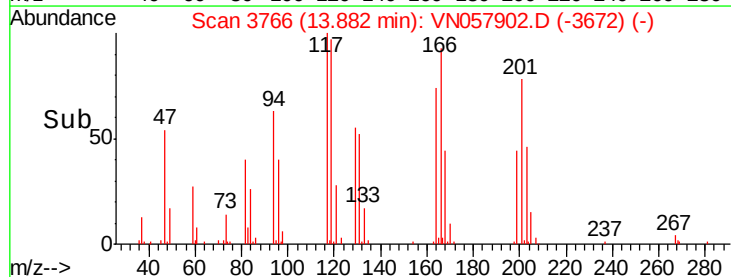
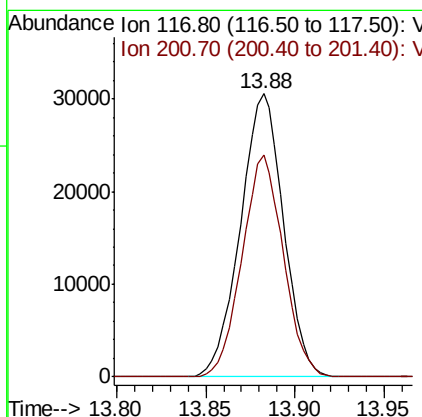
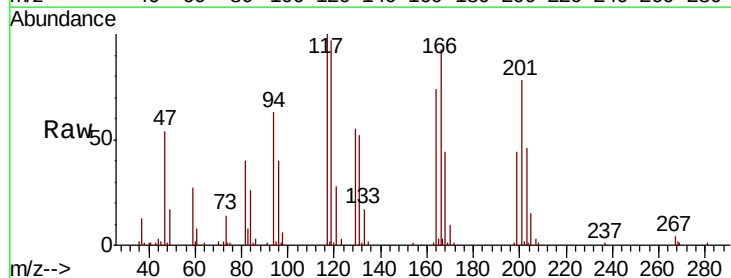
RT: 13.88 min Scan# 3766

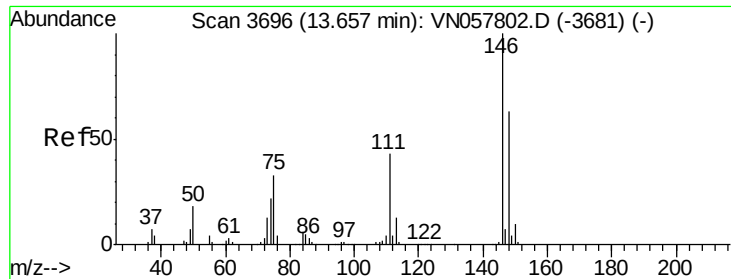
Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion:	117	Resp:	51607
Ion Ratio	Lower	Upper	
117	100		
201	74.9	37.5	112.7





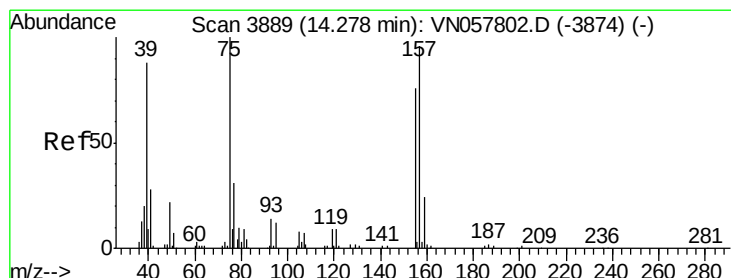
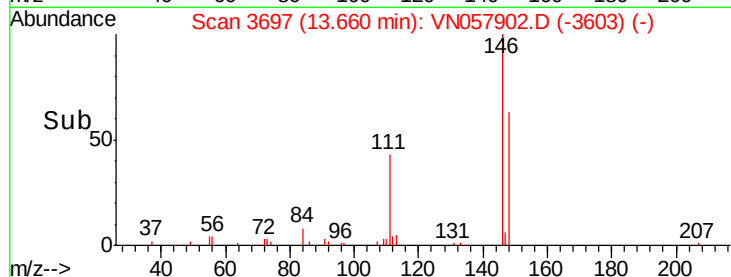
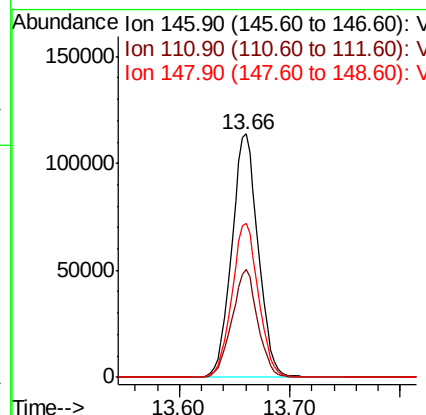
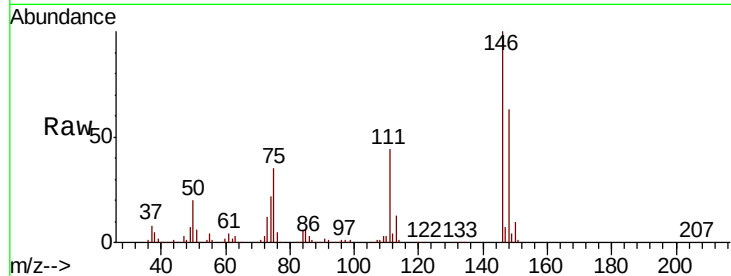
#91
 1,2-Dichlorobenzene
 Concen: 19.685 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189049		
111	43.1	21.3	63.9	
148	63.5	31.4	94.3	

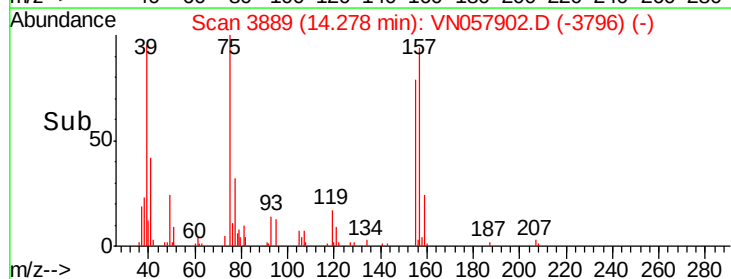
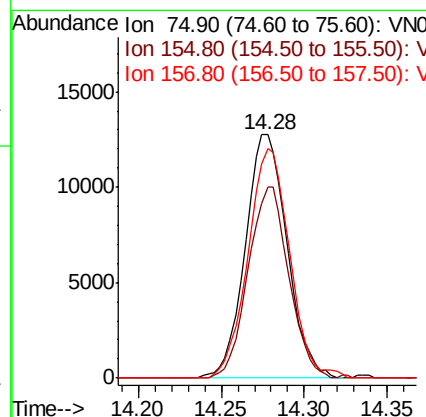
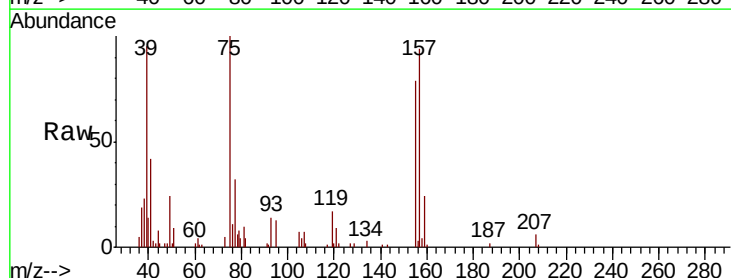
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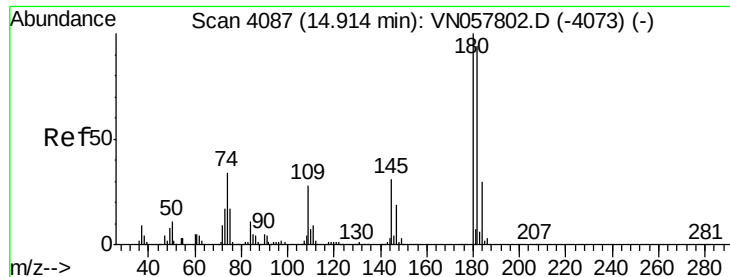
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.168 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22389		
155	76.3	37.3	111.8	
157	93.8	47.9	143.8	





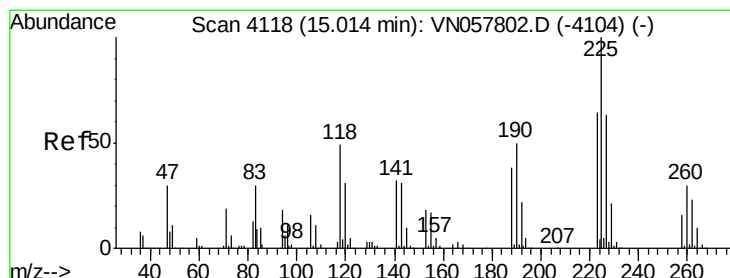
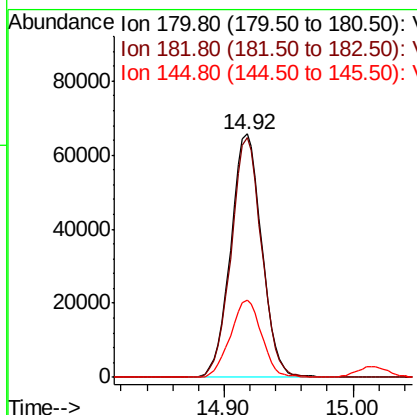
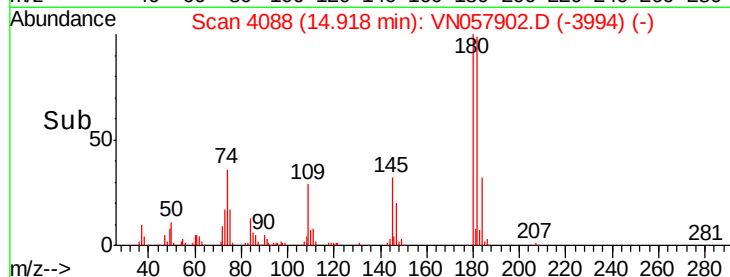
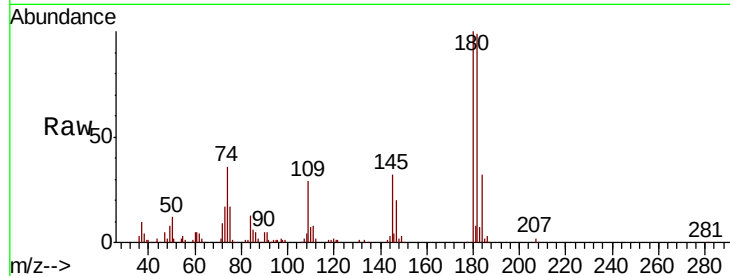
#93
 1,2,4-Trichlorobenzene
 Concen: 17.512 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tot Ion:	180	Resp:	109925
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.9	140.8
145	31.8	14.9	44.7

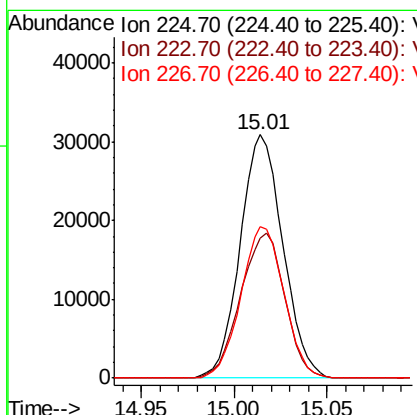
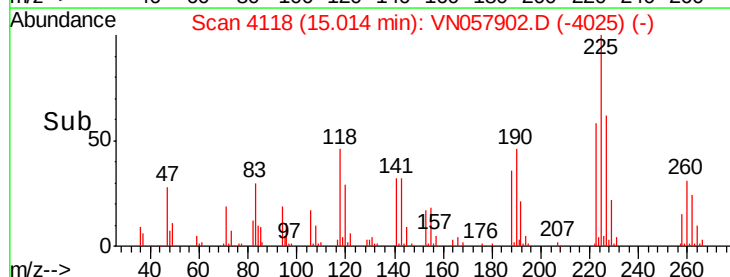
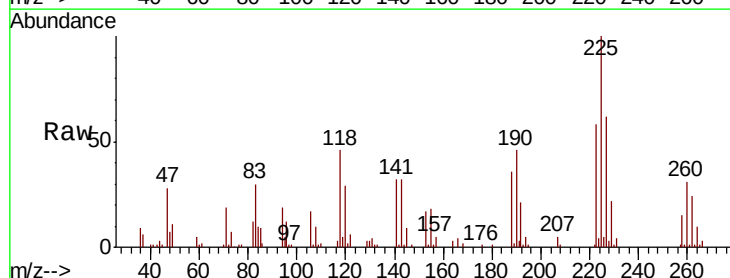
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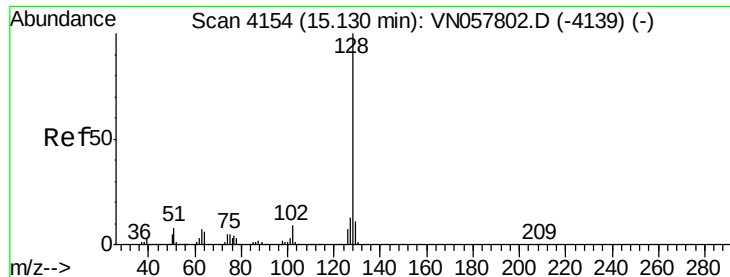
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#94
 Hexachlorobutadiene
 Concen: 18.590 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion:	225	Resp:	49468
Ion Ratio	Lower	Upper	
225	100		
223	61.6	32.4	97.2
227	62.5	31.8	95.4





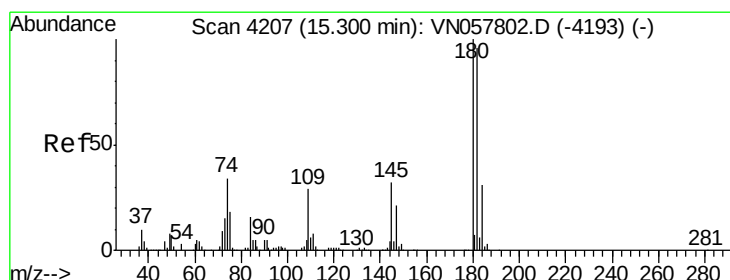
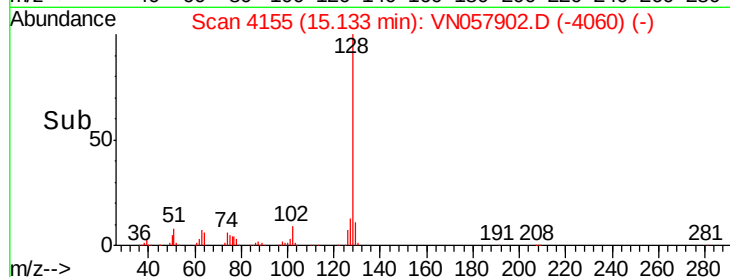
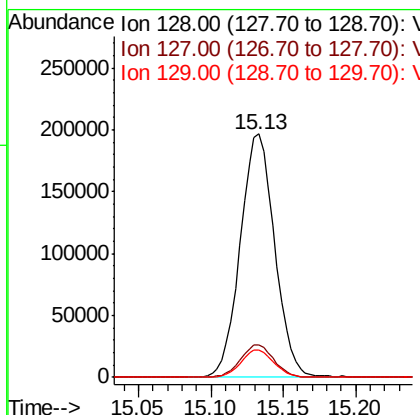
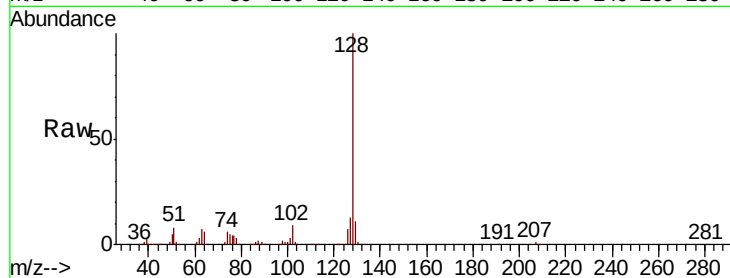
#95
Naphthalene
Concen: 19.546 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	324910		
127	13.0		10.3	15.5
129	10.7		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.208 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	107418		
182	96.5		48.3	144.8
145	31.8		16.3	48.8

