

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057892.D
 Acq On : 11 Sep 2019 2:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:24 AM

Quant Time: Sep 11 05:16:33 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	372469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	606449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	582740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	373230	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	7.57	113	277774	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	1125774	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.40	95	412878	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	276694	53.716	ug/l	100
3) Chloromethane	2.03	50	223137	42.502	ug/l	97
4) Vinyl Chloride	2.16	62	241882	43.532	ug/l	99
5) Bromomethane	2.53	94	96194	30.923	ug/l	99
6) Chloroethane	2.67	64	145823	41.185	ug/l	98
7) Trichlorofluoromethane	2.99	101	308784	44.159	ug/l	100
8) Diethyl Ether	3.39	74	136664	46.859	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	208296	47.221	ug/l	98
10) Methyl Iodide	3.93	142	142593	29.049	ug/l	100
11) Tert butyl alcohol	4.77	59	189987	208.074	ug/l	100
12) 1,1-Dichloroethene	3.71	96	183839	46.352	ug/l	97
13) Acrolein	3.59	56	147252	190.089	ug/l	100
14) Allyl chloride	4.30	41	345728	44.543	ug/l	99
15) Acrylonitrile	4.96	53	591214	235.575	ug/l	100
16) Acetone	3.80	43	475071	192.097	ug/l	98
17) Carbon Disulfide	4.03	76	284990	46.180	ug/l	98
18) Methyl Acetate	4.30	43	319076	48.389	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	811413	49.160	ug/l	98
20) Methylene Chloride	4.53	84	236529	50.245	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	193728	45.185	ug/l	98
22) Diisopropyl ether	5.93	45	886611	48.709	ug/l	100
23) Vinyl Acetate	5.87	43	3256707	252.462	ug/l	99
24) 1,1-Dichloroethane	5.82	63	469314	47.177	ug/l	100
25) 2-Butanone	6.82	43	786758	219.800	ug/l	99
26) 2,2-Dichloropropane	6.80	77	278381	35.361	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	270427	47.066	ug/l	97
28) Bromochloromethane	7.17	49	235215	47.328	ug/l	93
29) Tetrahydrofuran	7.19	42	504857	228.892	ug/l	100
30) Chloroform	7.36	83	487139	46.834	ug/l	99
31) Cyclohexane	7.64	56	331330	48.823	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	396365	48.048	ug/l	99
36) 1,1-Dichloropropene	7.78	75	316165	44.953	ug/l	99
37) Ethyl Acetate	6.91	43	336878	46.360	ug/l	99
38) Carbon Tetrachloride	7.76	117	313177	48.772	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	330780	44.739	ug/l	99
40) Benzene	8.03	78	982803	46.414	ug/l	98
41) Methacrylonitrile	7.16	41	170052	51.554	ug/l	92
42) 1,2-Dichloroethane	8.11	62	398345	47.039	ug/l	100
43) Isopropyl Acetate	8.15	43	605638	49.561	ug/l	99
44) Trichloroethene	8.82	130	241812	46.560	ug/l	97
45) 1,2-Dichloropropane	9.11	63	287377	46.641	ug/l	99
46) Dibromomethane	9.20	93	176141	47.308	ug/l	98
47) Bromodichloromethane	9.40	83	368706	49.591	ug/l	99
48) Methyl methacrylate	9.19	41	289871	46.762	ug/l	99
49) 1,4-Dioxane	9.19	88	81901	781.293	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1795740	248.323	ug/l	100
52) Toluene	10.15	92	636243	47.707	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	383107	48.931	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	416312	48.161	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	271906	48.132	ug/l	99
56) Ethyl methacrylate	10.43	69	424287	49.874	ug/l	99
57) 1,3-Dichloropropane	10.71	76	469936	48.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1005185	250.871	ug/l	98
59) 2-Hexanone	10.75	43	1310581	241.793	ug/l	100
60) Dibromochloromethane	10.90	129	273061	52.053	ug/l	100
61) 1,2-Dibromoethane	11.00	107	262305	49.114	ug/l	99
64) Tetrachloroethene	10.63	164	205162	47.683	ug/l	99
65) Chlorobenzene	11.43	112	716250	46.965	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	261084	49.336	ug/l	99
67) Ethyl Benzene	11.51	91	1301432	48.693	ug/l	100
68) m/p-Xylenes	11.62	106	965009	98.568	ug/l	98
69) o-Xylene	11.95	106	480693	49.388	ug/l	100
70) Styrene	11.97	104	854066	50.988	ug/l	100
71) Bromoform	12.13	173	168989	51.220	ug/l #	99
73) Isopropylbenzene	12.25	105	1335293	48.467	ug/l	100
74) N-amyl acetate	12.07	43	583401	48.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	420447	45.325	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	345769m	43.050	ug/l	
77) Bromobenzene	12.53	156	335123	48.788	ug/l	89
78) n-propylbenzene	12.59	91	1554619	49.140	ug/l	100
79) 2-Chlorotoluene	12.68	91	926939	46.357	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1138671	48.915	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	97219	42.595	ug/l	96
82) 4-Chlorotoluene	12.78	91	977782	47.618	ug/l	100
83) tert-Butylbenzene	13.00	119	999586	48.306	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1168510	49.389	ug/l	99
85) sec-Butylbenzene	13.18	105	1349772	49.214	ug/l	99
86) p-Isopropyltoluene	13.29	119	1216580	50.343	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	600596	47.636	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	598214	46.743	ug/l	100
89) n-Butylbenzene	13.62	91	1129390	49.489	ug/l	100
90) Hexachloroethane	13.88	117	177242	49.317	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	600978	47.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	77313	50.468	ug/l	99

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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	383838	46.622	ug/l	98
94) Hexachlorobutadiene	15.01	225	166589	47.733	ug/l	97
95) Naphthalene	15.13	128	1180376	57.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	365223	50.798	ug/l	99

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

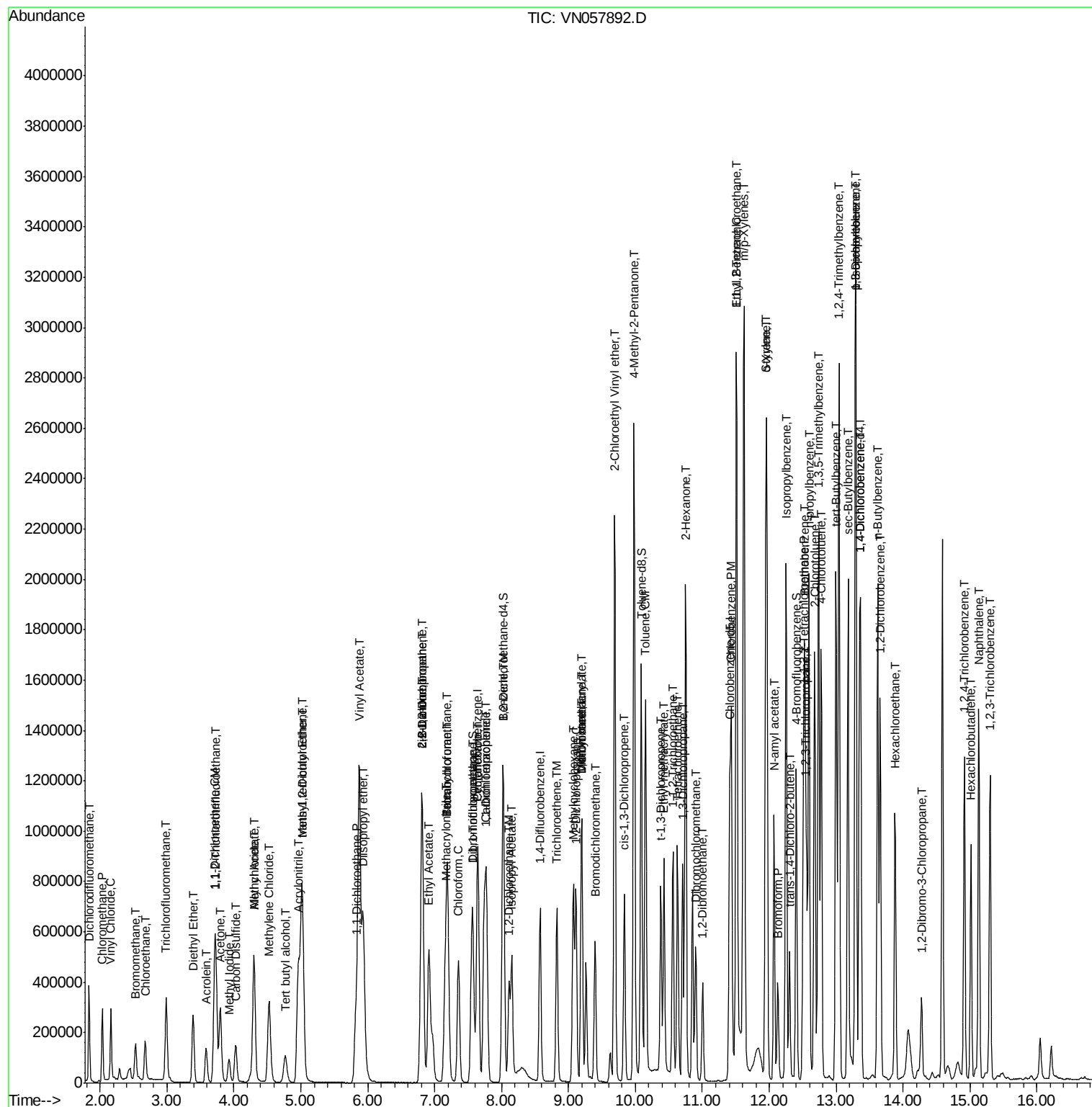
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Data File : VN057892.D
Acq On : 11 Sep 2019 2:14
Operator : JC/SP
Sample : VSTDC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 33 Sample Multiplier: 1

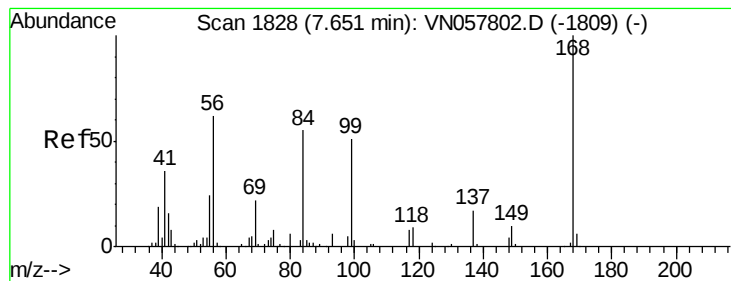
Instrument :
MSVOA_N
ClientSampleId :
VSTDC050EC

Manual Integrations
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Quant Title : SW846 8260
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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: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 372469

Ion Ratio Lower Upper

168 100

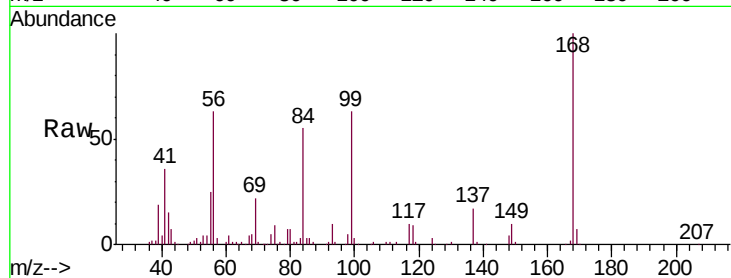
99 62.4 48.0 72.0

Manual Integrations

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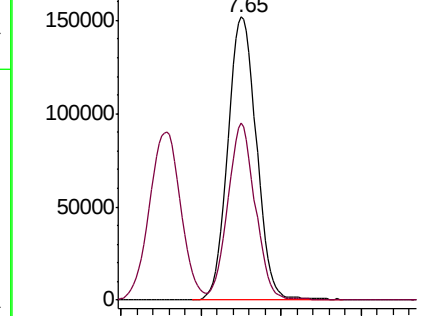
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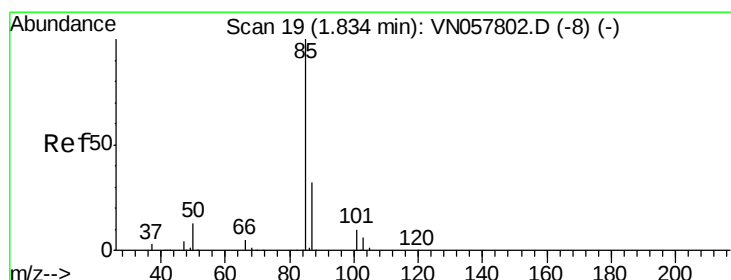
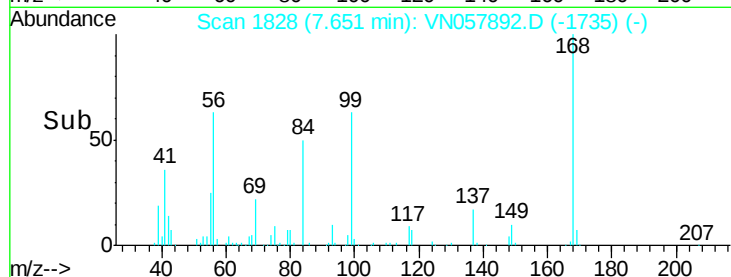


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 53.716 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057892.D

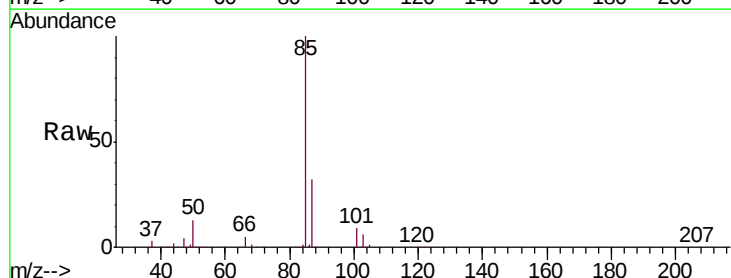
Acq: 11 Sep 2019 2:14

Tgt Ion: 85 Resp: 276694

Ion Ratio Lower Upper

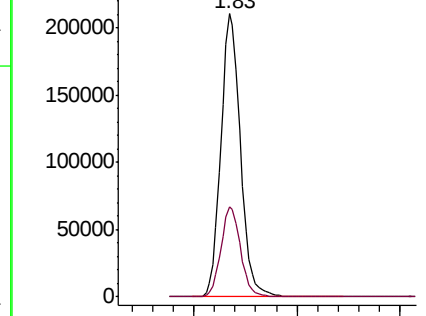
85 100

87 31.7 16.0 47.9

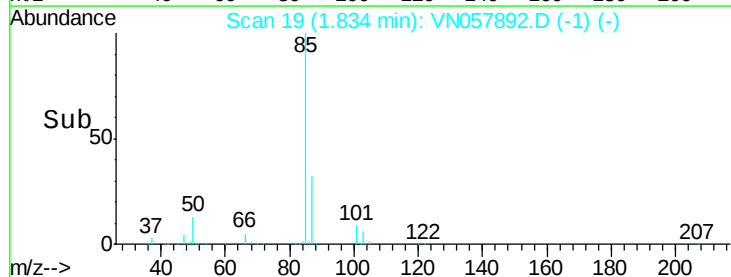


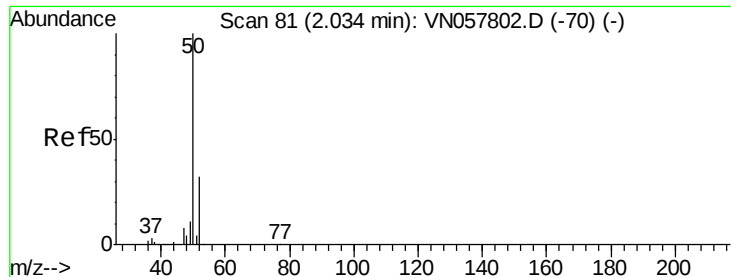
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 42.502 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 223137

Ion Ratio Lower Upper

50 100

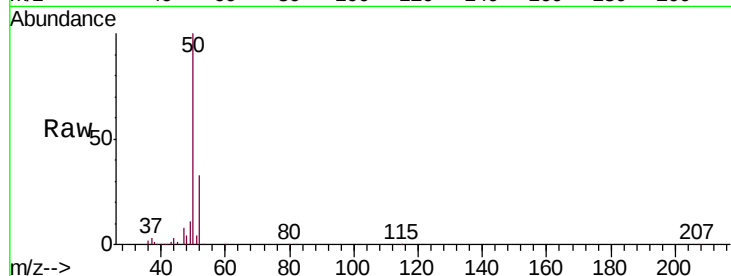
52 33.5 25.5 38.3

Manual Integrations

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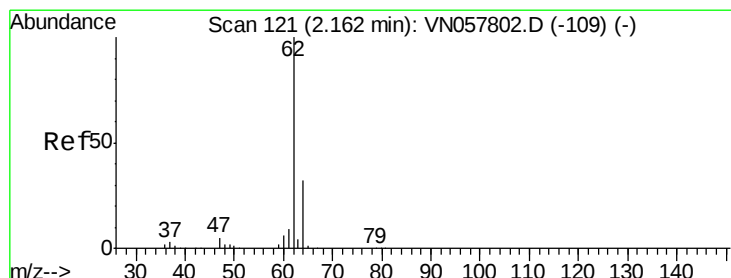
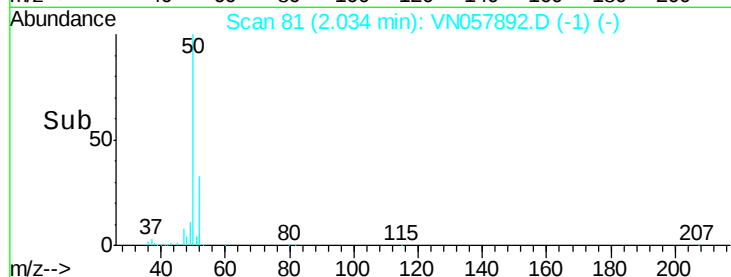
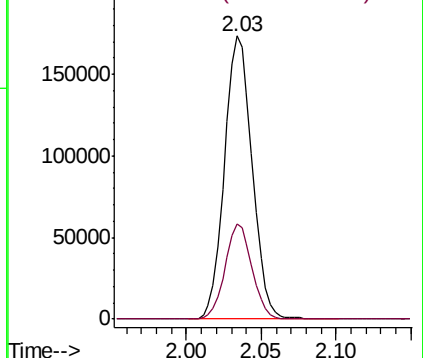
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 43.532 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057892.D

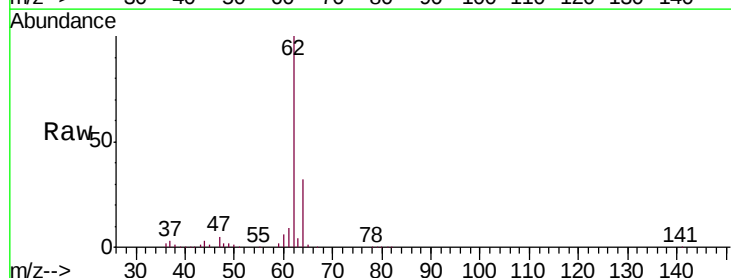
Acq: 11 Sep 2019 2:14

Tgt Ion: 62 Resp: 241882

Ion Ratio Lower Upper

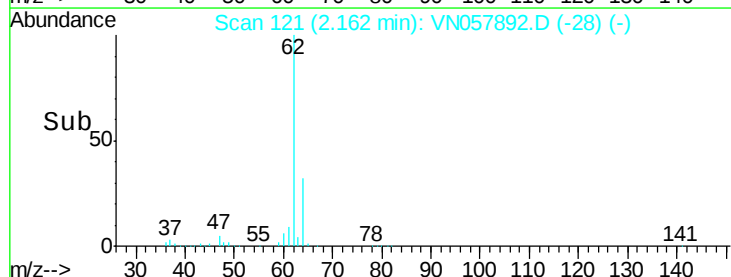
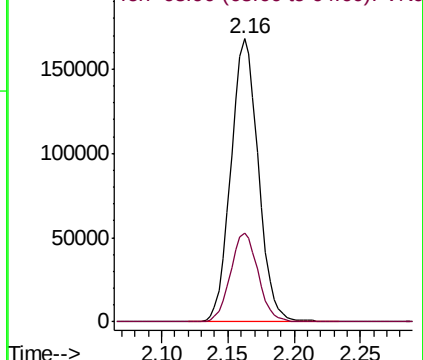
62 100

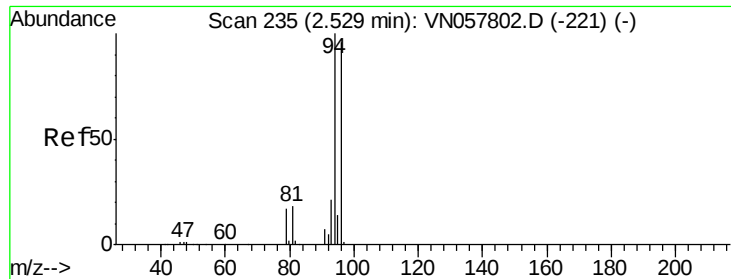
64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 30.923 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

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Tgt Ion: 94 Resp: 96194

Ion Ratio Lower Upper

94 100

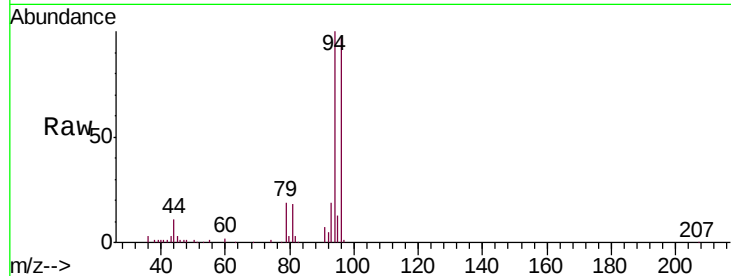
96 96.7 77.0 115.4

Manual Integrations

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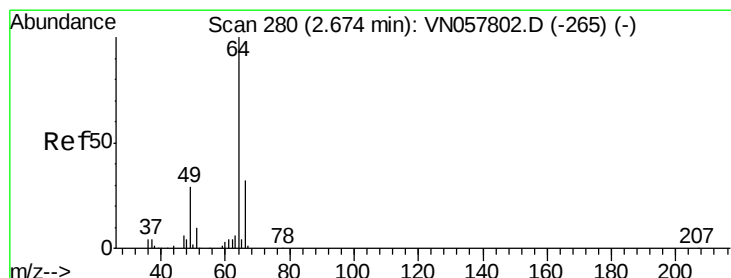
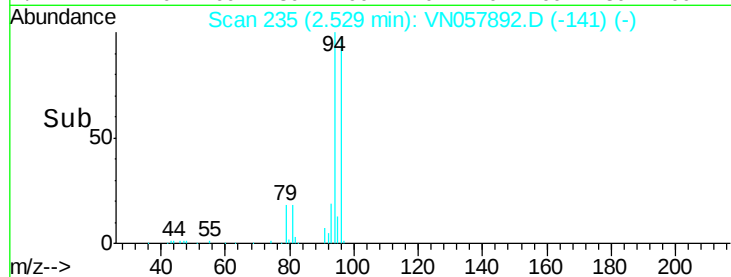
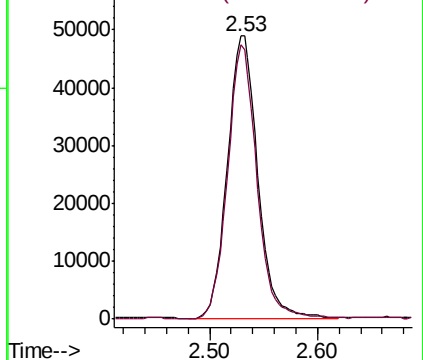
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 41.185 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057892.D

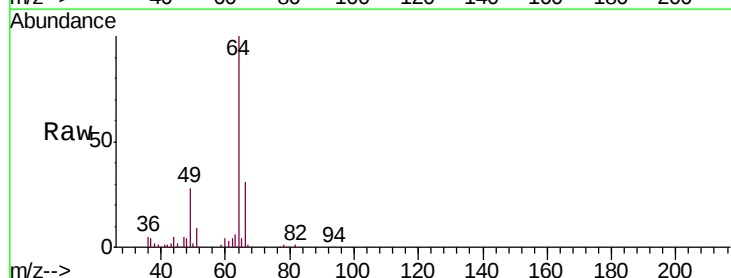
Acq: 11 Sep 2019 2:14

Tgt Ion: 64 Resp: 145823

Ion Ratio Lower Upper

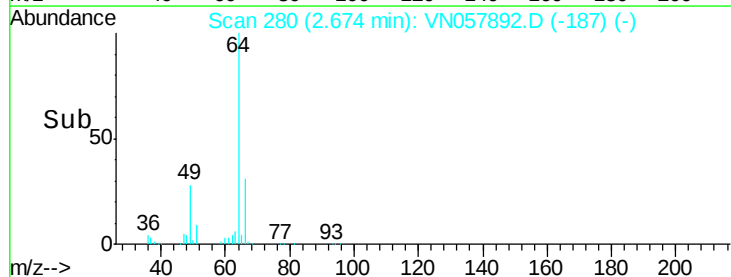
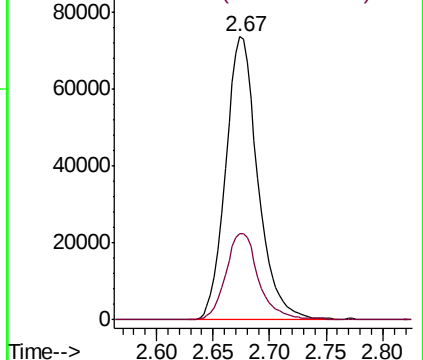
64 100

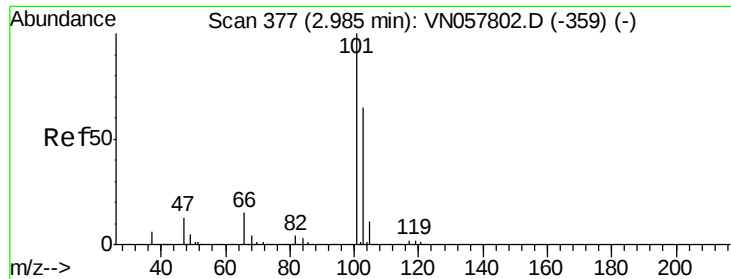
66 30.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

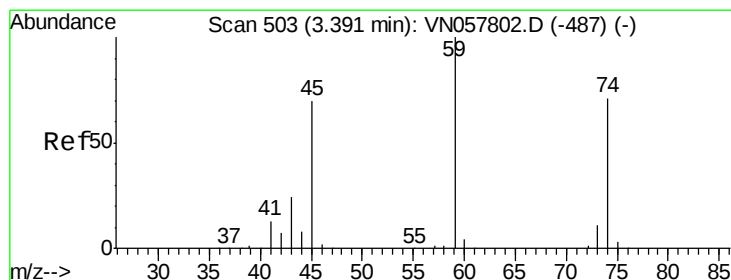
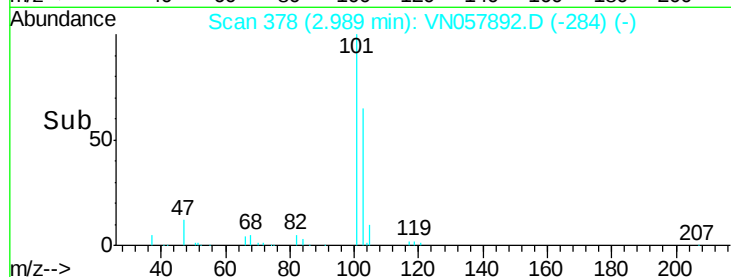
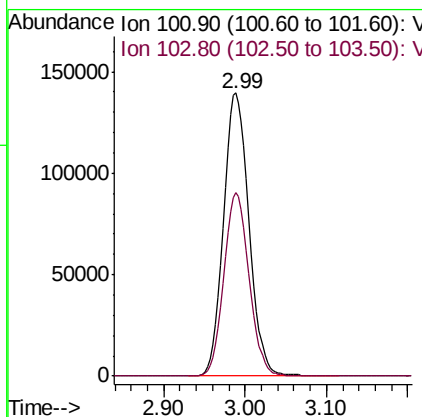
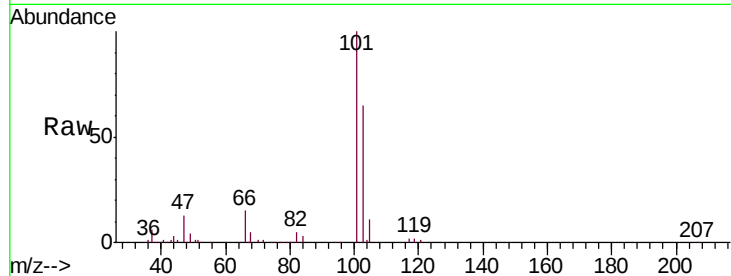
Trichlorofluoromethane
Concen: 44.159 ug/l
RT: 2.99 min Scan# 378
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.9	77.9

Manual Integrations
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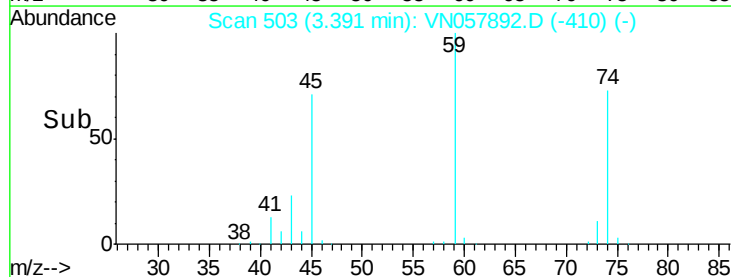
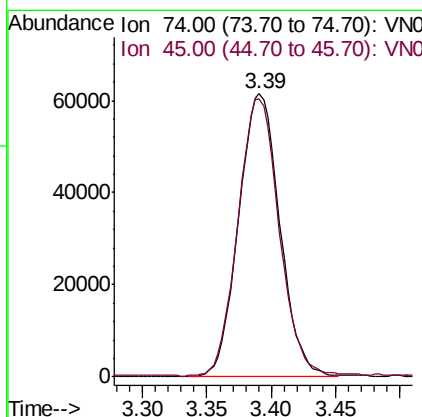
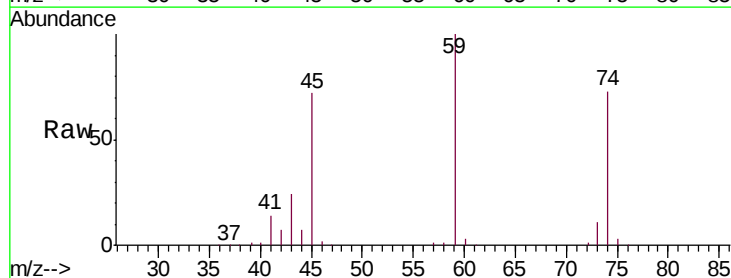
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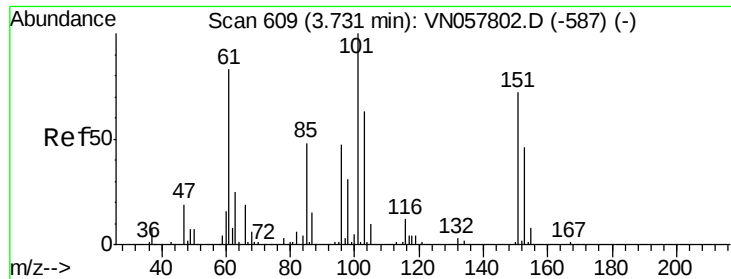


#8

Diethyl Ether
Concen: 46.859 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.221 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

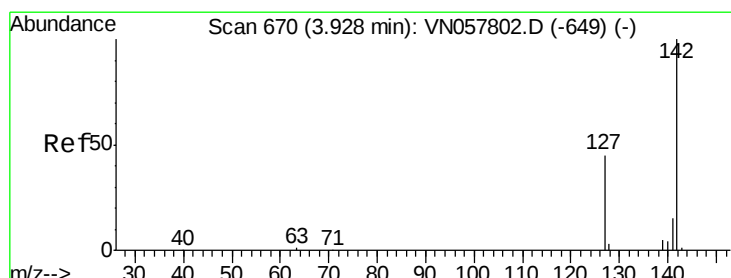
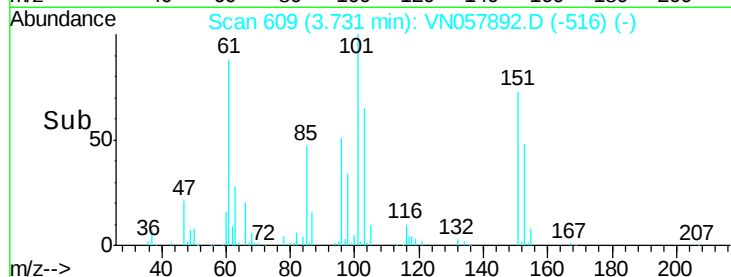
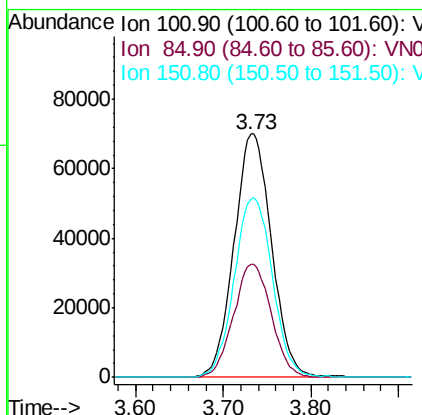
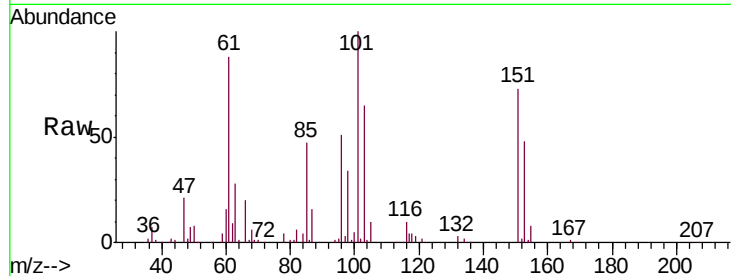
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	208296
Ion Ratio	Lower	Upper	
101	100		
85	46.8	38.1	57.1
151	75.1	58.4	87.6

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#10

Methyl Iodide

Concen: 29.049 ug/l

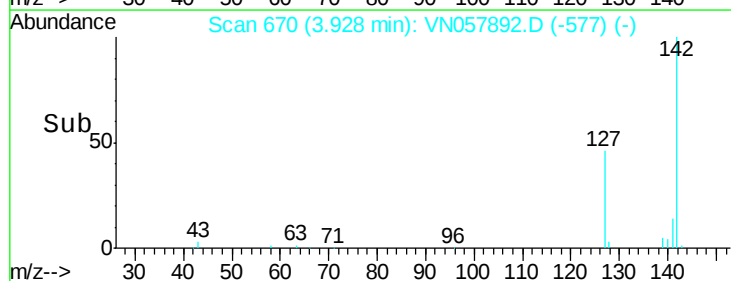
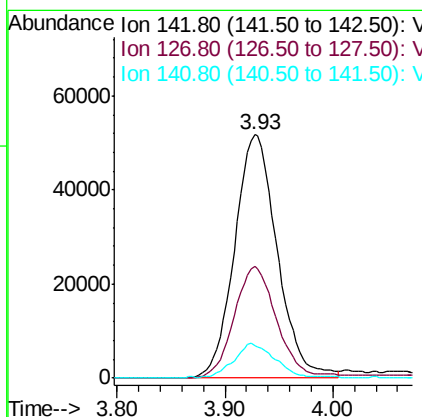
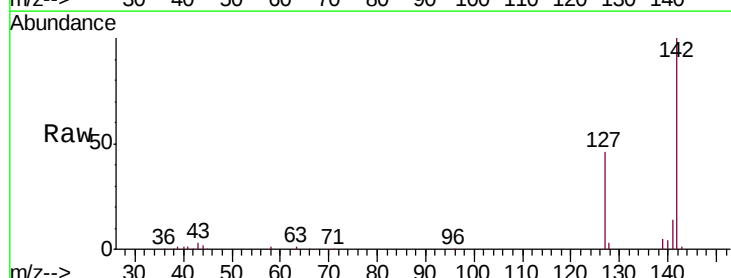
RT: 3.93 min Scan# 670

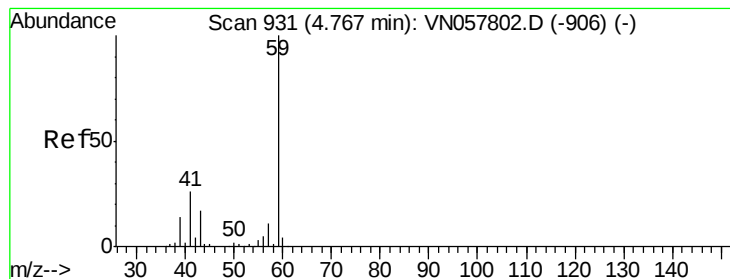
Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Tgt Ion:	142	Resp:	142593
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.7	55.1
141	13.8	11.4	17.0





#11

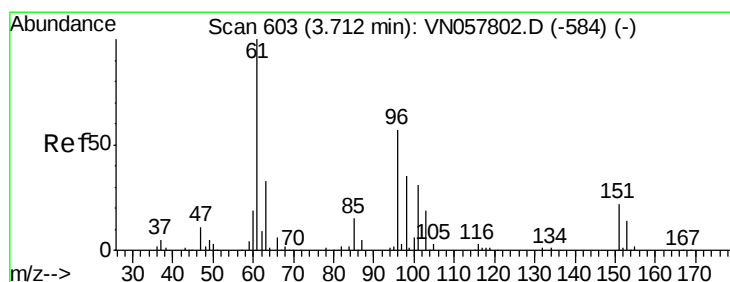
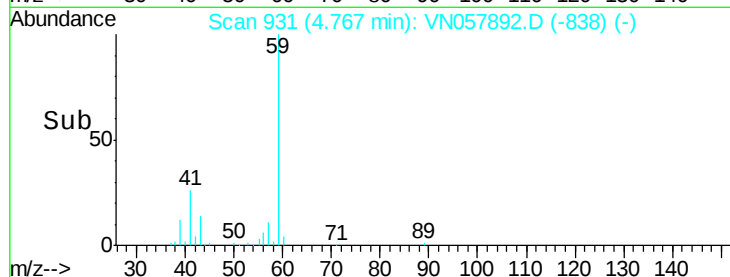
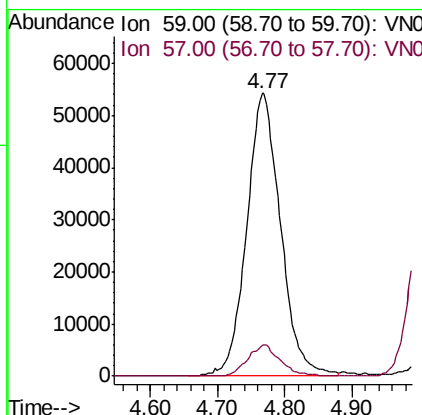
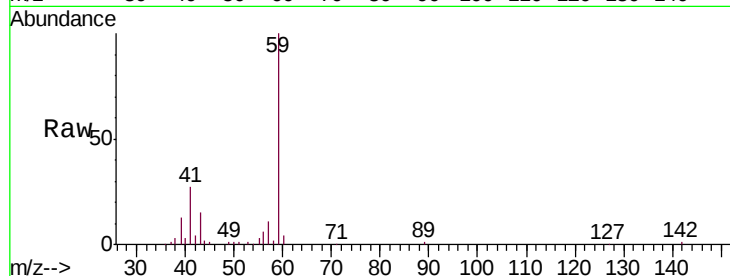
Tert butyl alcohol
Concen: 208.074 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

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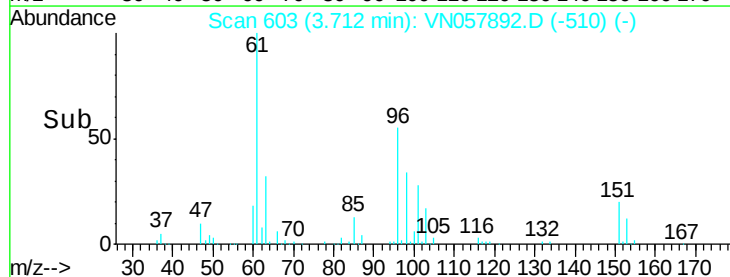
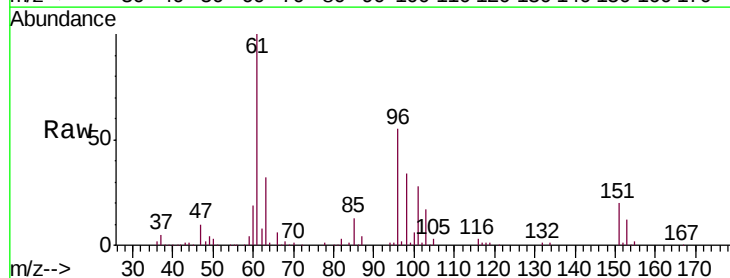
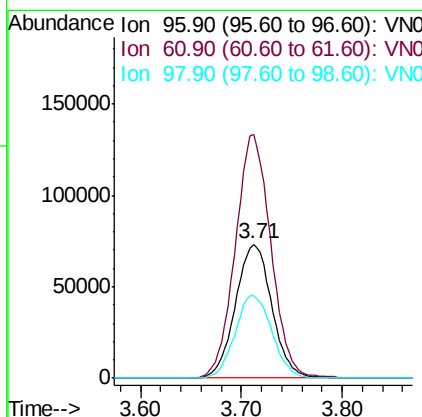
MMDadoda
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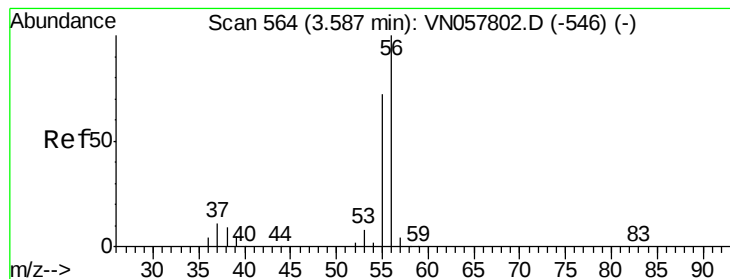


#12

1,1-Dichloroethene
Concen: 46.352 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.0	141.2	211.8
98	61.9	49.9	74.9





#13

Acrolein

Concen: 190.089 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 147252

Ion Ratio Lower Upper

56 100

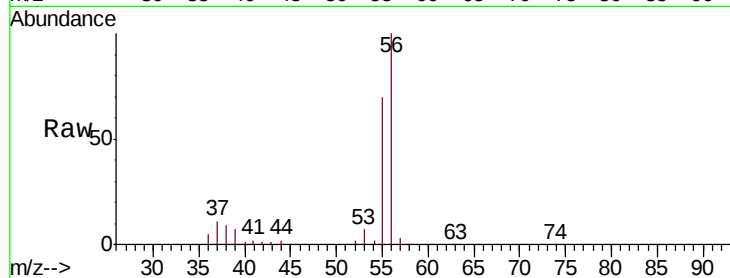
55 71.4 57.3 85.9

Manual Integrations

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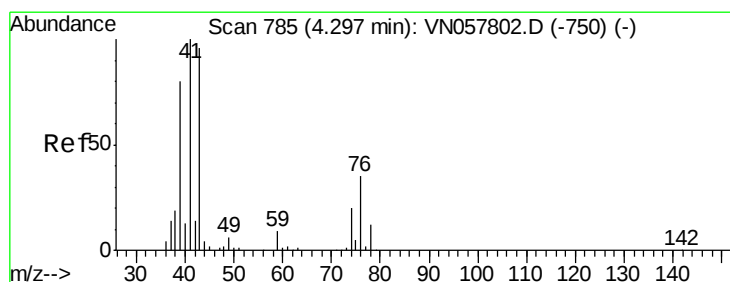
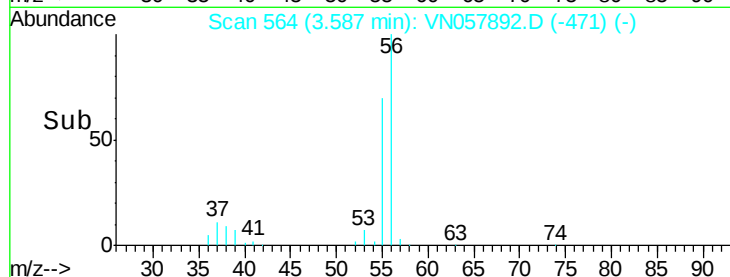
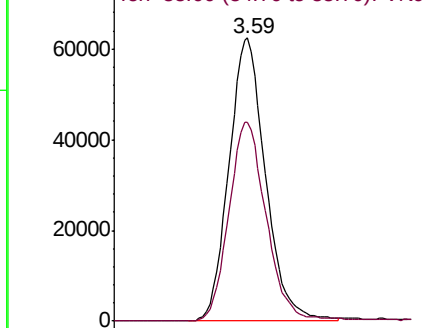
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 44.543 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

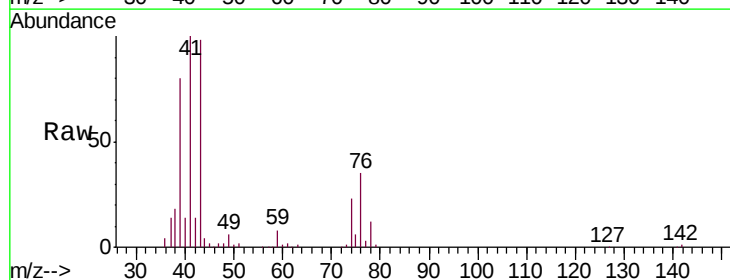
Tgt Ion: 41 Resp: 345728

Ion Ratio Lower Upper

41 100

39 73.6 59.4 89.2

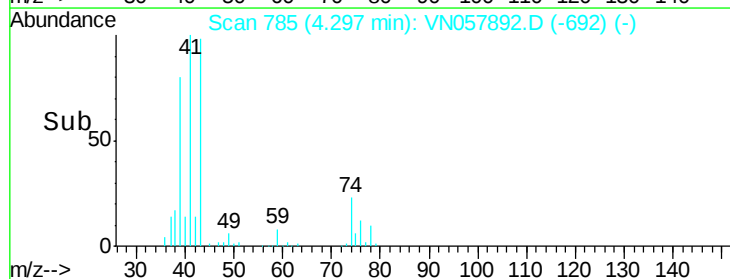
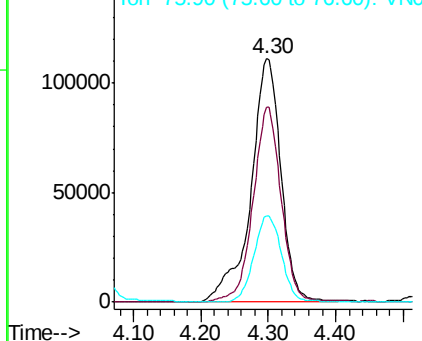
76 32.5 26.0 39.0

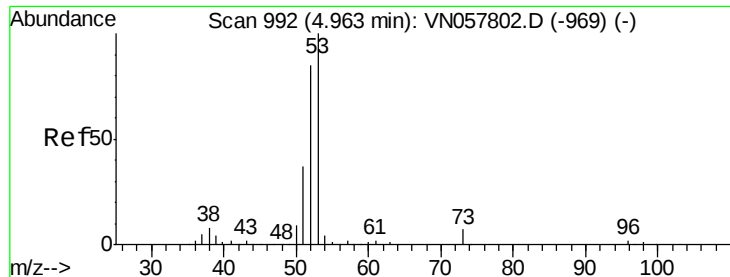


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 235.575 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

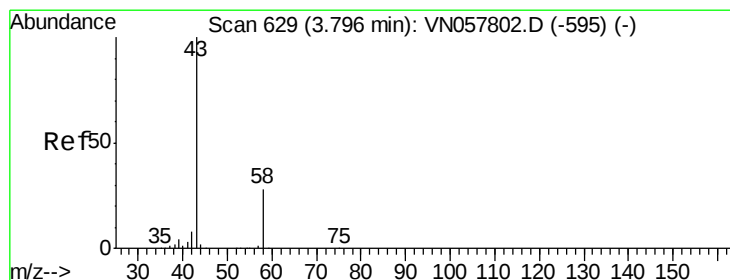
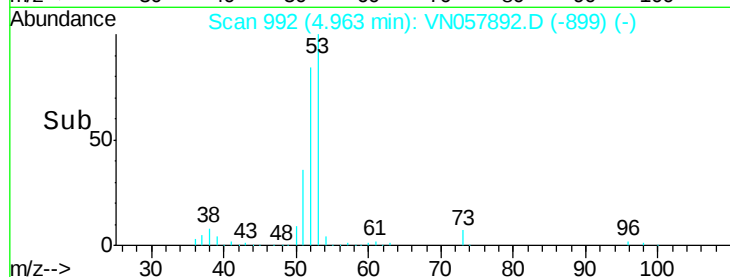
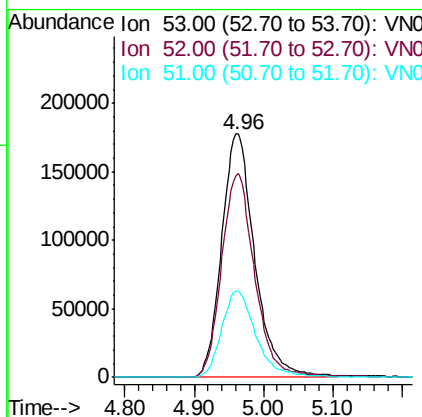
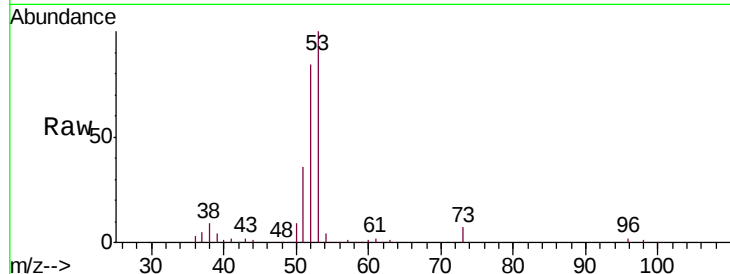
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	591214
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	100.0
51	36.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 192.097 ug/l

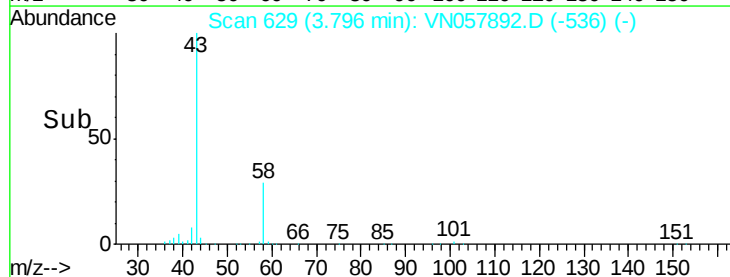
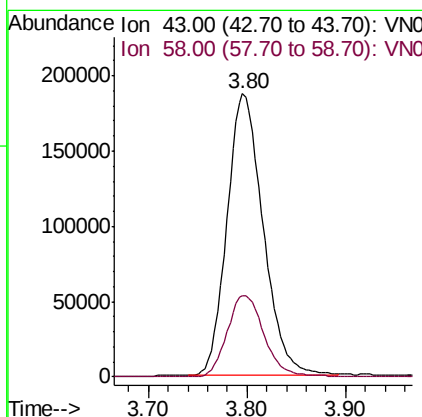
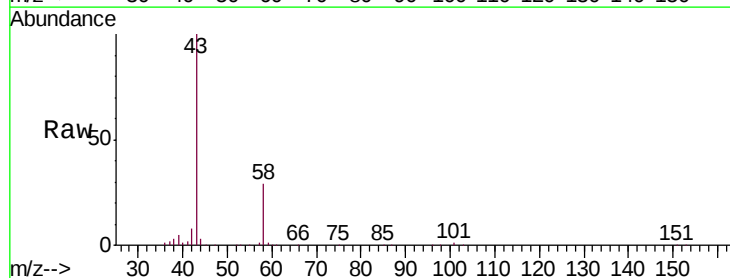
RT: 3.80 min Scan# 629

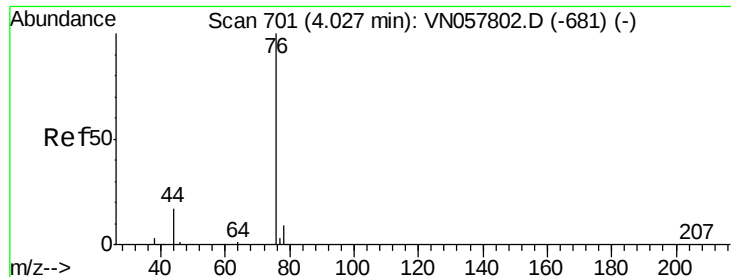
Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Tgt Ion:	43	Resp:	475071
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.2	33.2





#17

Carbon Disulfide

Concen: 46.180 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 284990

Ion Ratio Lower Upper

76 100

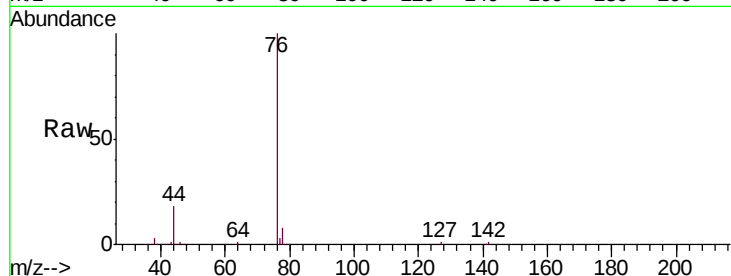
78 8.3 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

120000

100000

80000

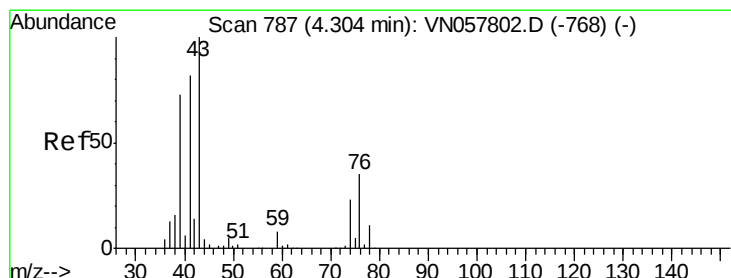
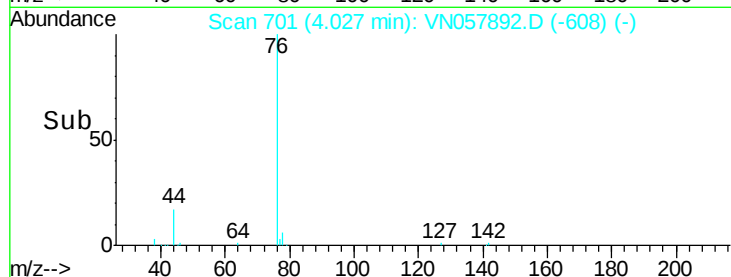
60000

40000

20000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 48.389 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057892.D

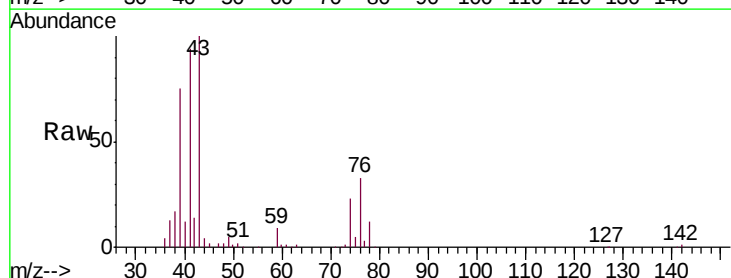
Acq: 11 Sep 2019 2:14

Tgt Ion: 43 Resp: 319076

Ion Ratio Lower Upper

43 100

74 22.9 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

120000

100000

80000

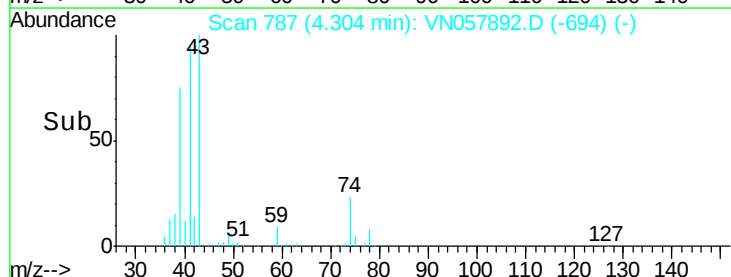
60000

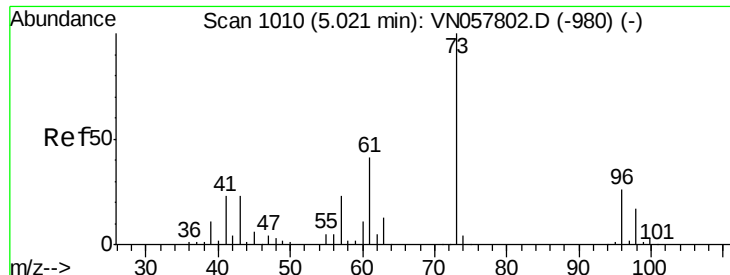
40000

20000

0

Time--> 4.20 4.30 4.40





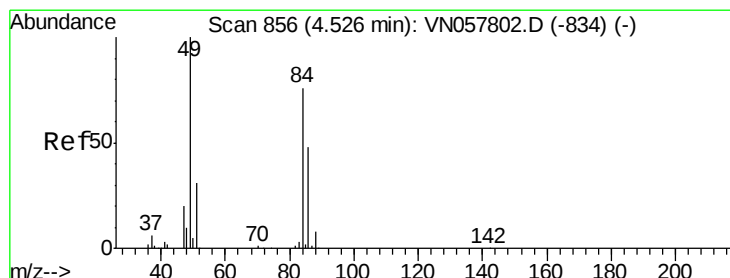
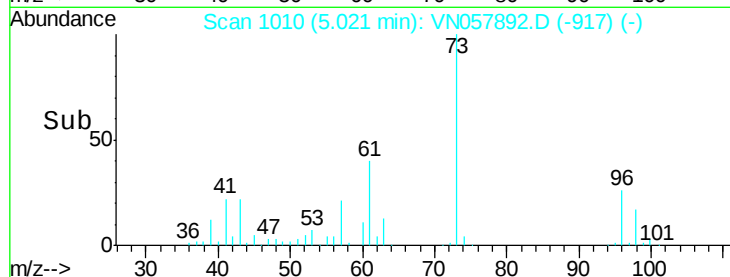
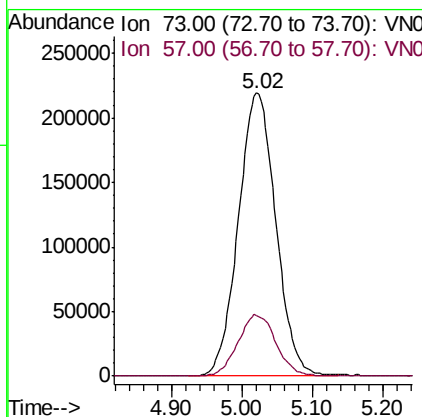
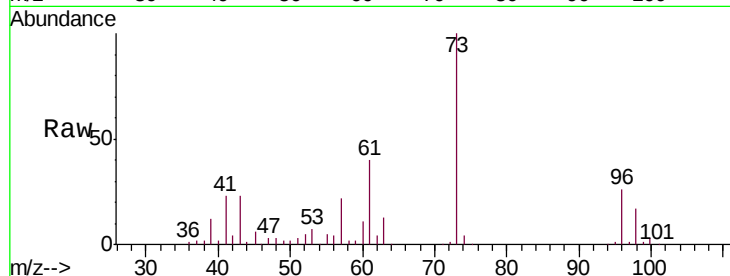
#19
Methyl tert-butyl Ether
Concen: 49.160 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 811413
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2

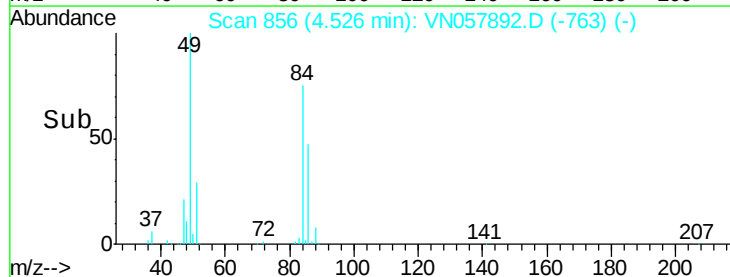
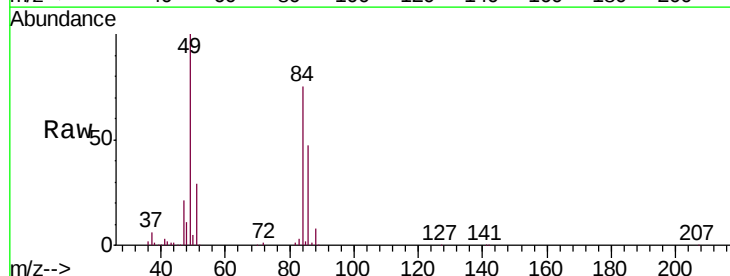
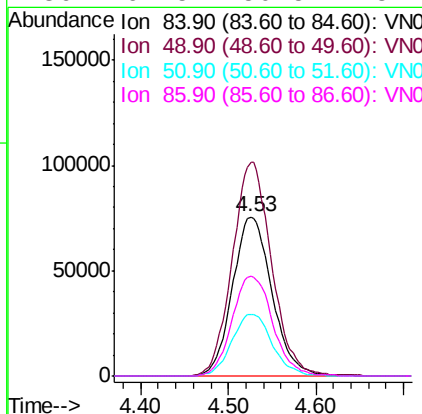
Manual Integrations
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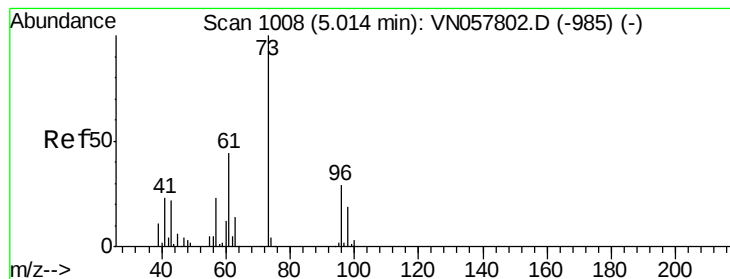
MMDadoda
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#20
Methylene Chloride
Concen: 50.245 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion: 84 Resp: 236529
Ion Ratio Lower Upper
84 100
49 134.1 104.8 157.2
51 38.7 33.0 49.4
86 62.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 45.185 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 193728

Ion Ratio Lower Upper

96 100

61 150.3 121.9 182.9

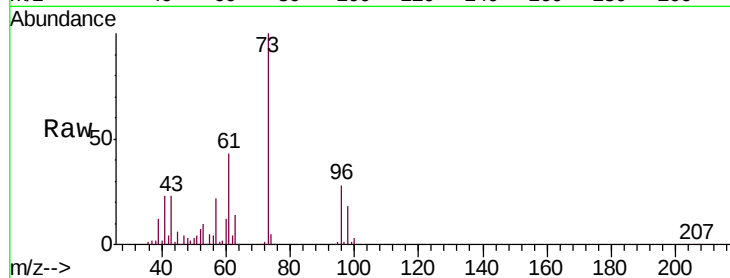
98 64.0 52.2 78.4

Manual Integrations

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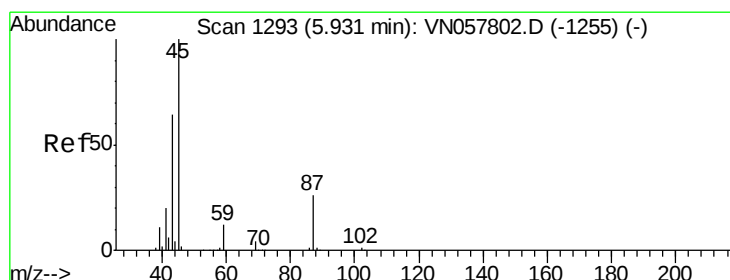
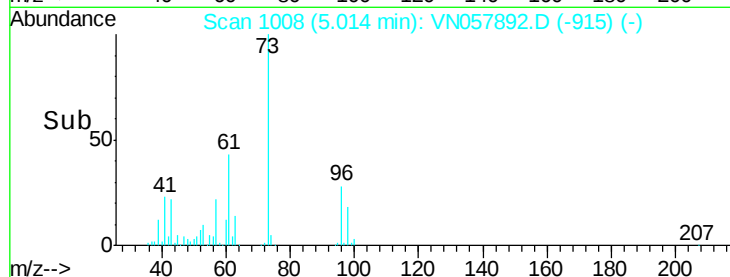
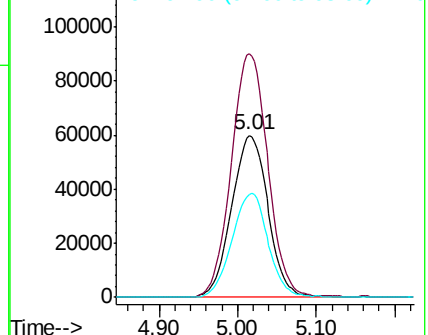


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.709 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Tgt Ion: 45 Resp: 886611

Ion Ratio Lower Upper

45 100

43 64.5 51.4 77.2

87 26.5 21.3 31.9

59 11.3 9.3 13.9

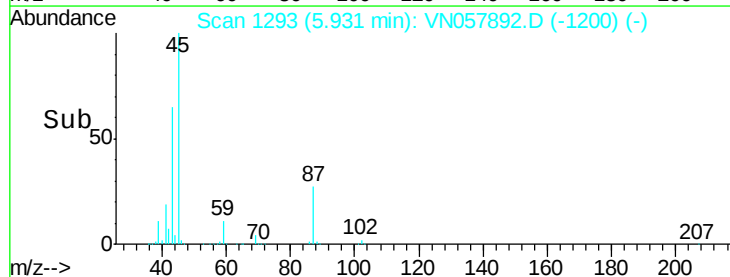
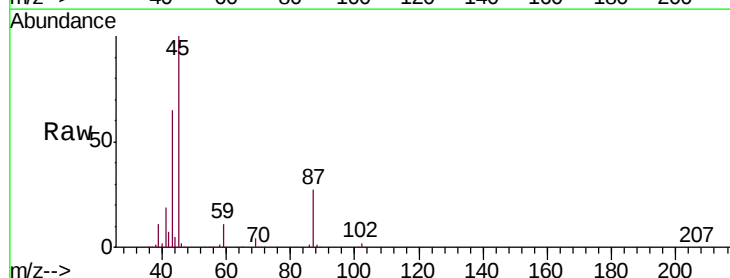
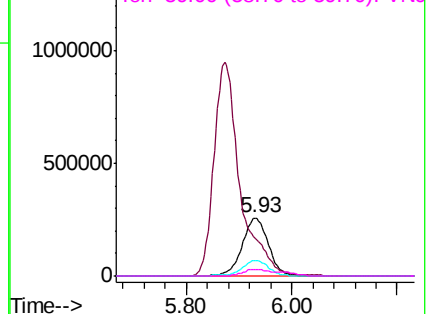
Abundance

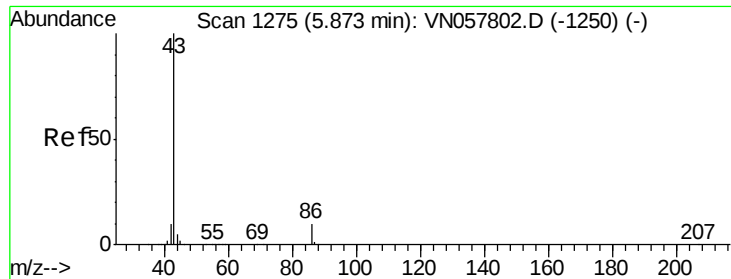
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 252.462 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3256707

Ion Ratio Lower Upper

43 100

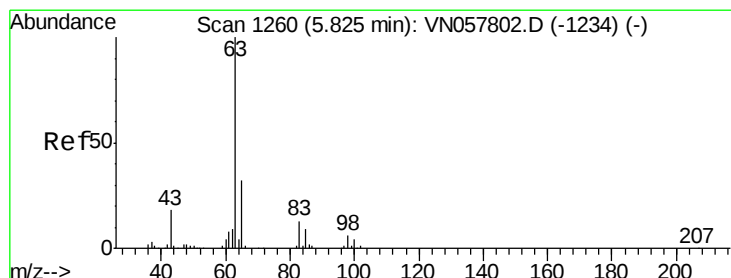
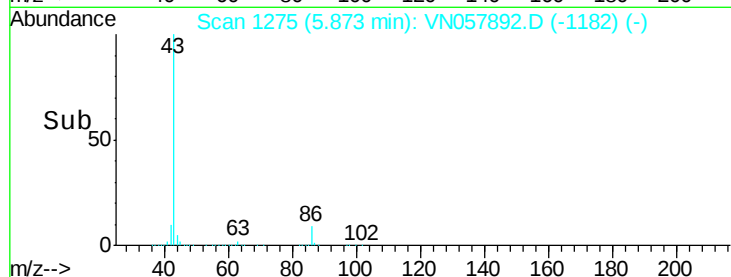
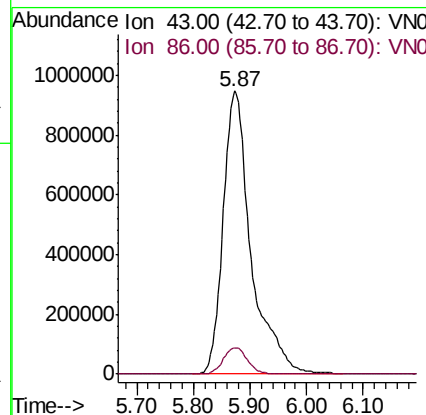
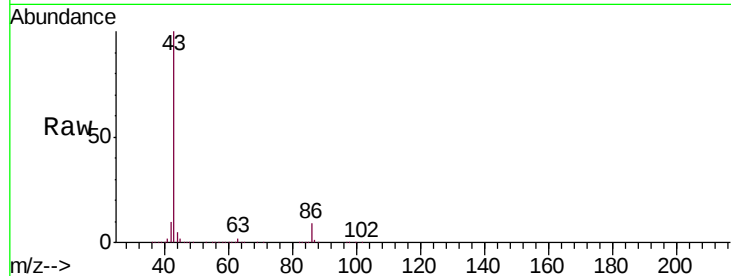
86 9.4 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.177 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

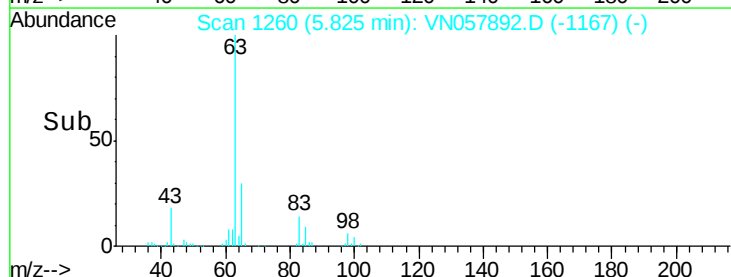
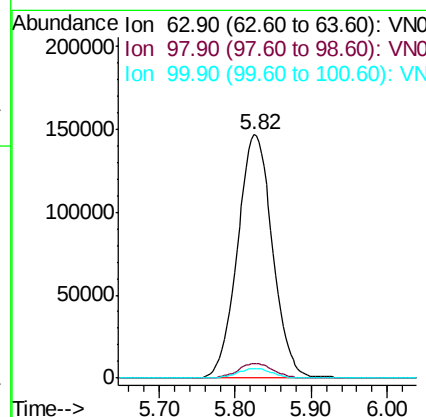
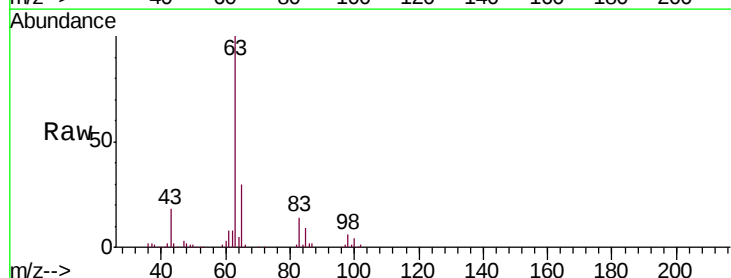
Tgt Ion: 63 Resp: 469314

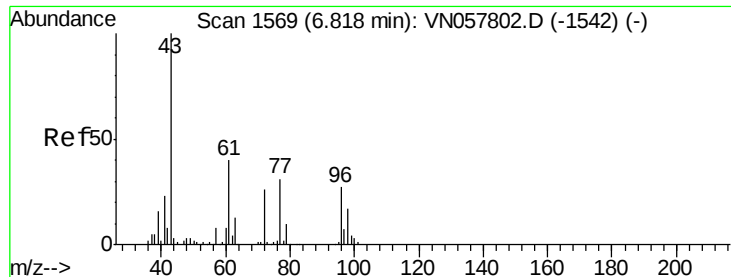
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 219.800 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 786758

Ion Ratio Lower Upper

43 100

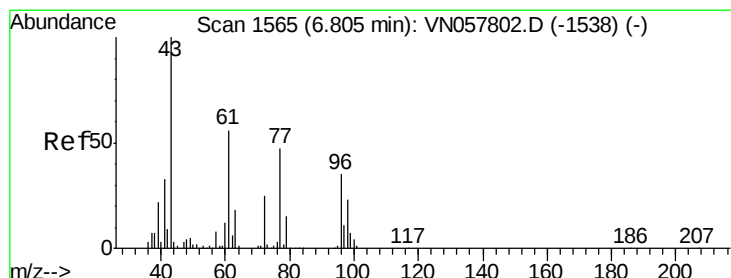
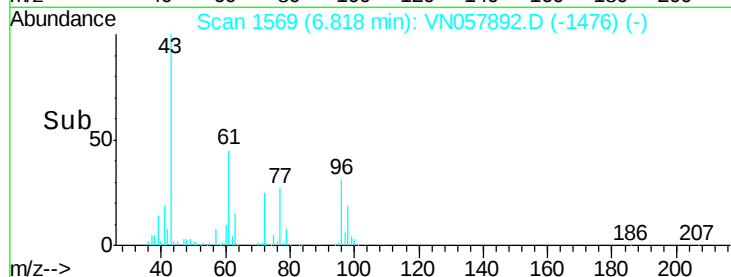
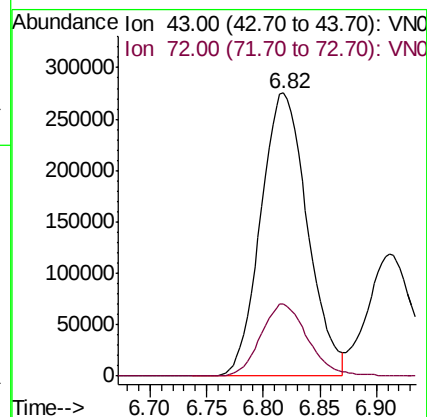
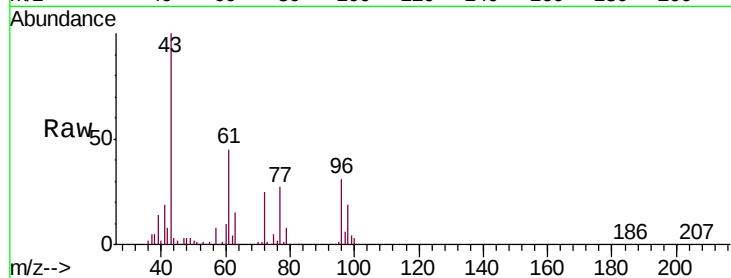
72 25.4 20.6 30.8

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#26

2,2-Dichloropropane

Concen: 35.361 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057892.D

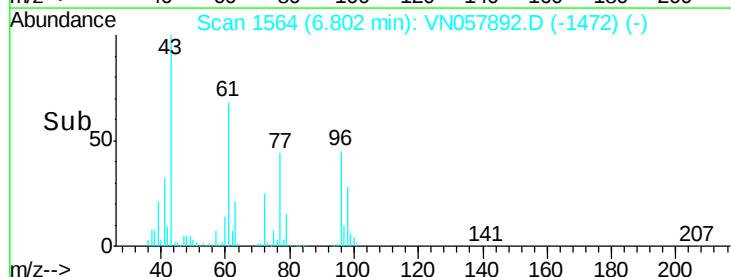
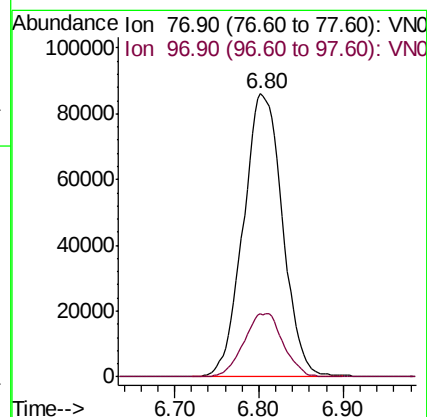
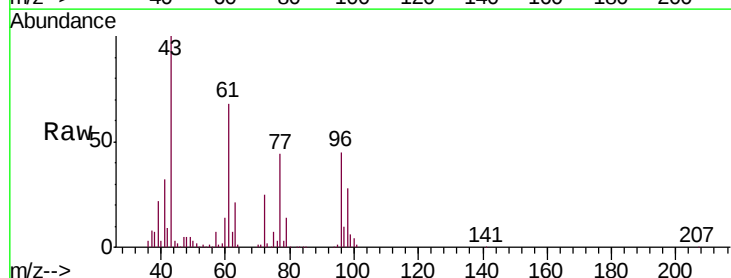
Acq: 11 Sep 2019 2:14

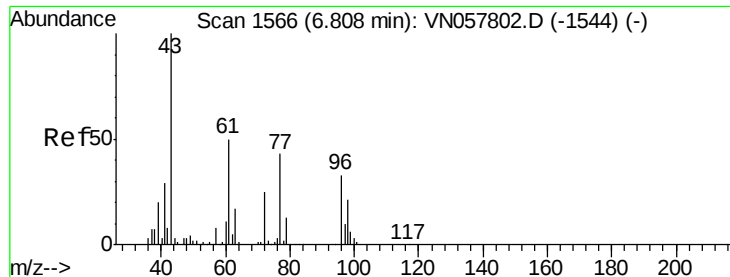
Tgt Ion: 77 Resp: 278381

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 47.066 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

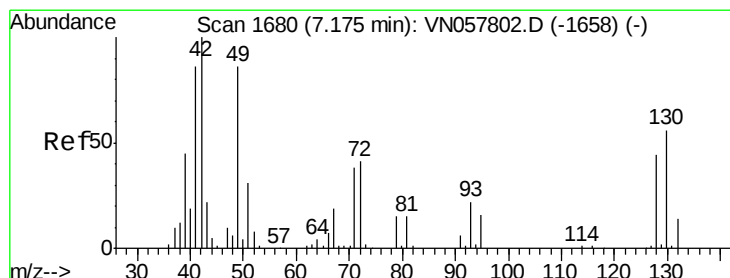
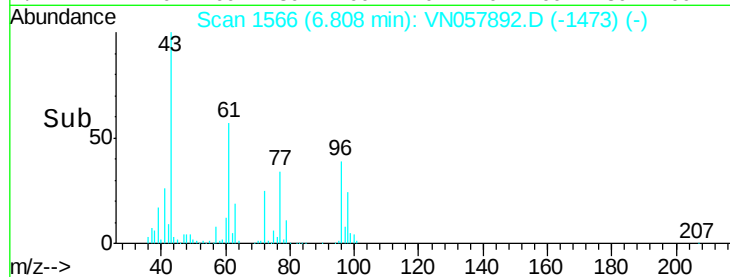
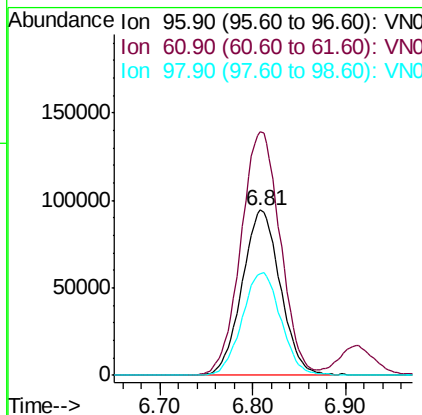
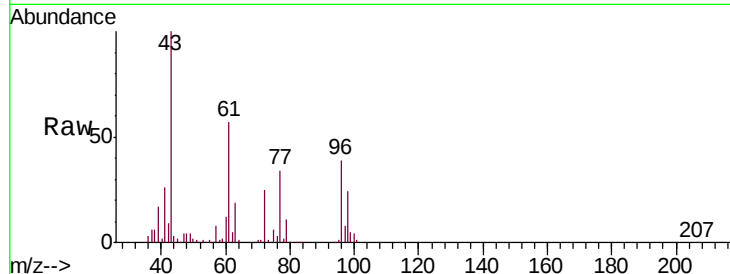
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	270427
Ion Ratio	Lower	Upper	
96	100		
61	151.8	0.0	314.0
98	62.9	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 47.328 ug/l

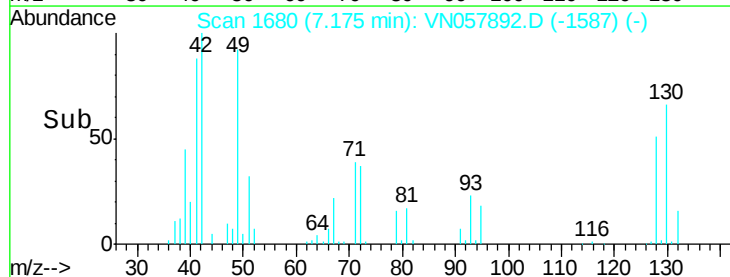
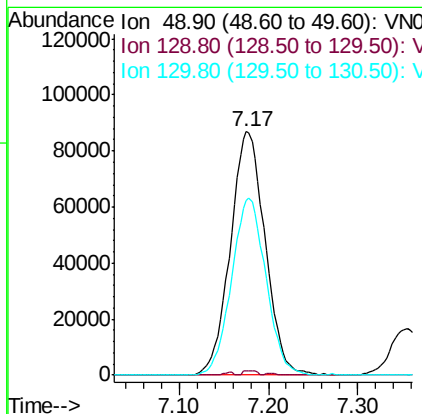
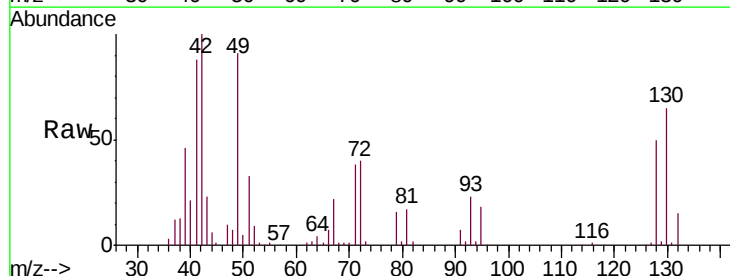
RT: 7.17 min Scan# 1680

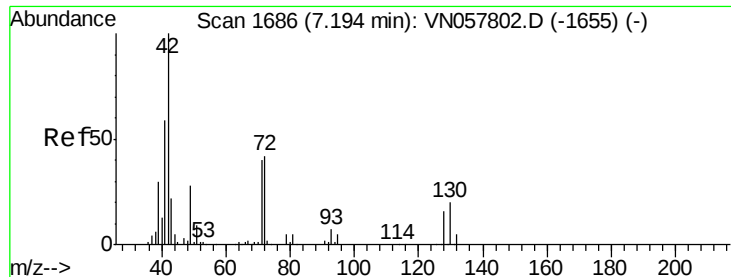
Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Tgt Ion:	49	Resp:	235215
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	3.8
130	71.9	53.0	79.6





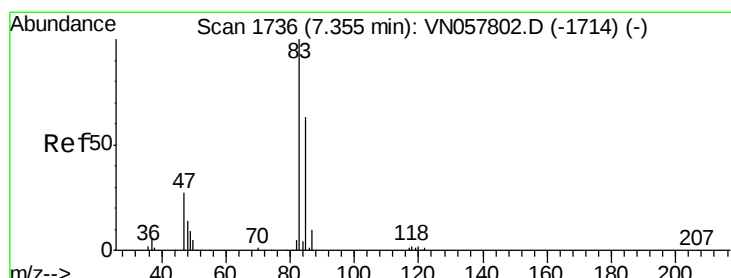
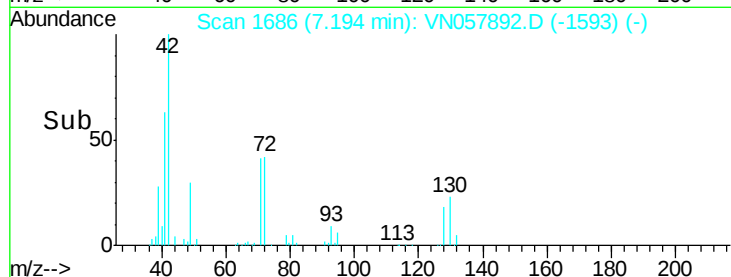
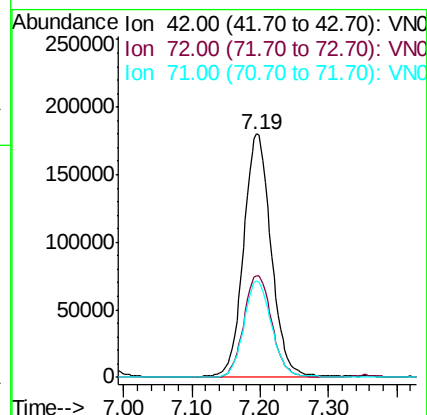
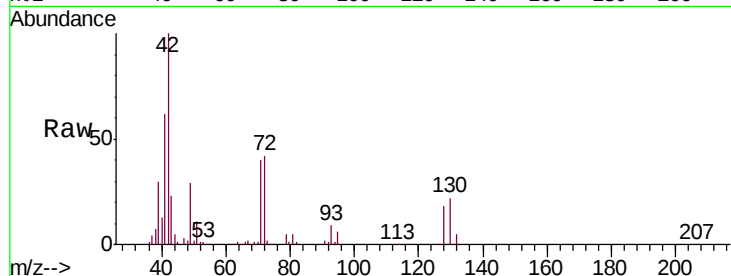
#29
Tetrahydrofuran
Concen: 228.892 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	40.1	31.9	47.9

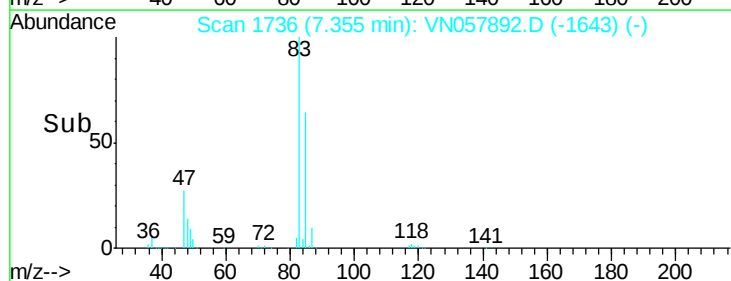
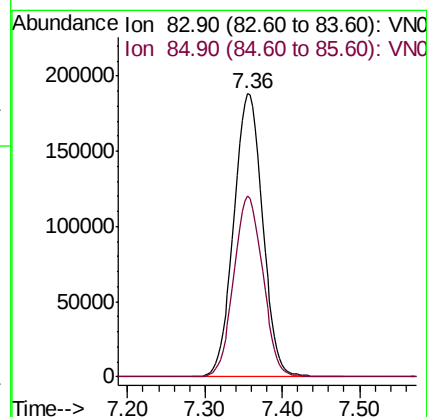
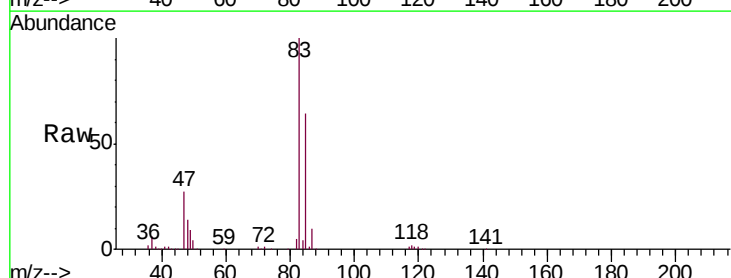
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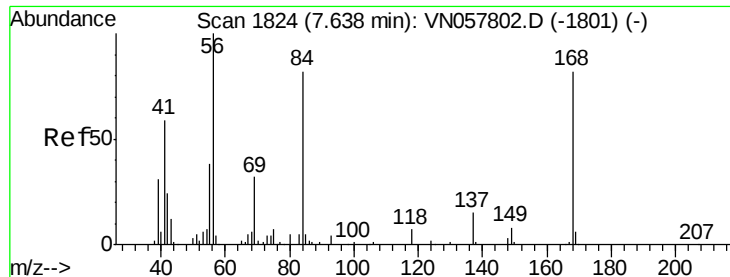
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#30
Chloroform
Concen: 46.834 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.6	75.8





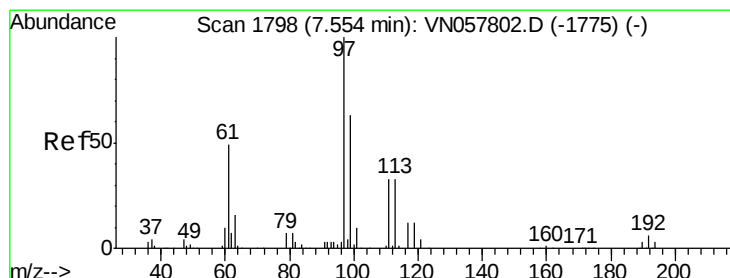
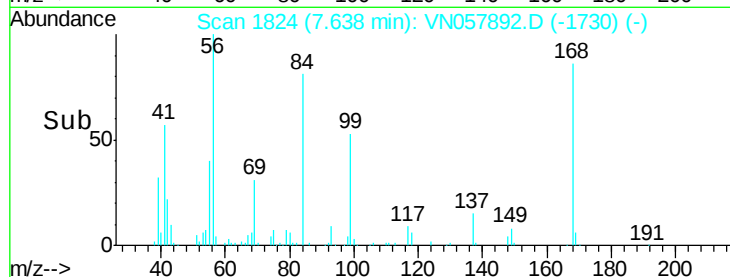
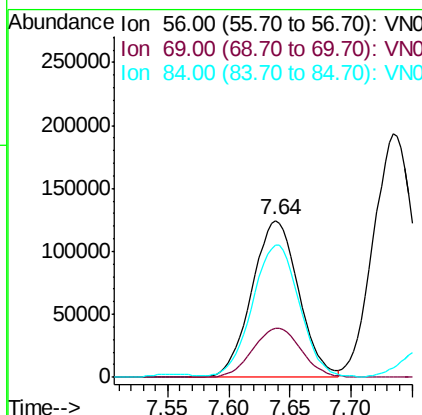
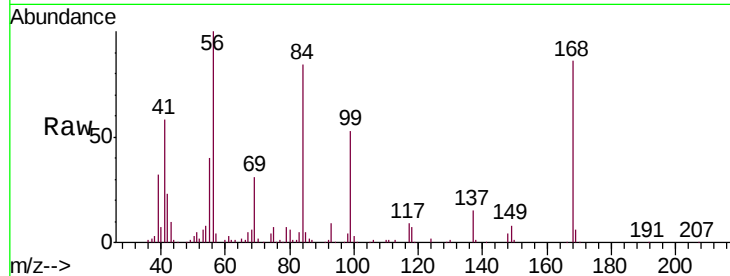
#31
Cyclohexane
Concen: 48.823 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.9	38.9
84	82.2	65.6	98.4

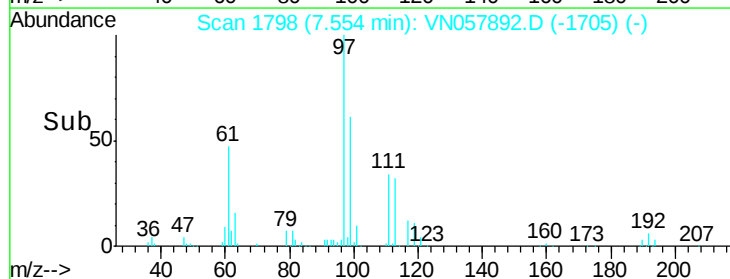
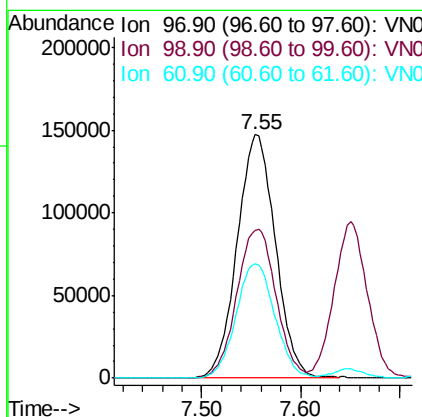
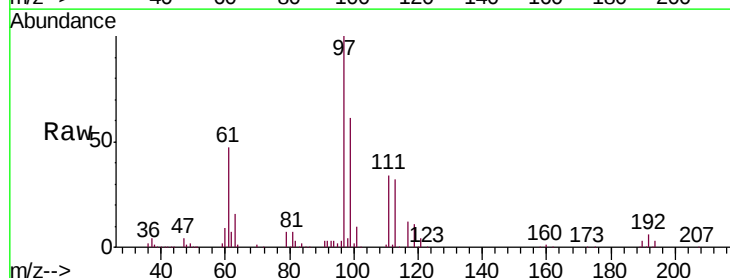
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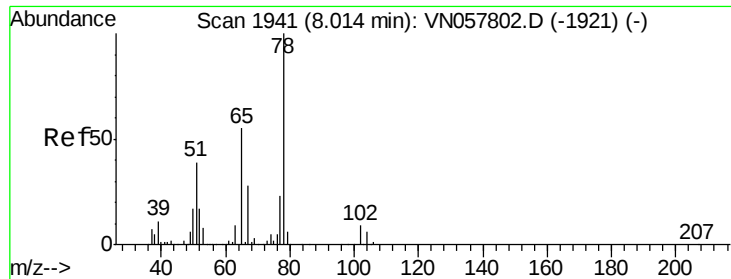
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#32
1,1,1-Trichloroethane
Concen: 48.048 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.0	76.4
61	47.8	39.0	58.6





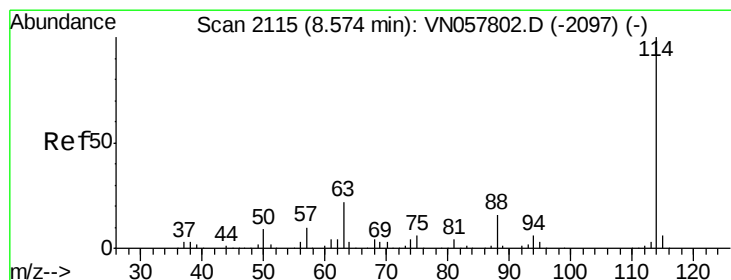
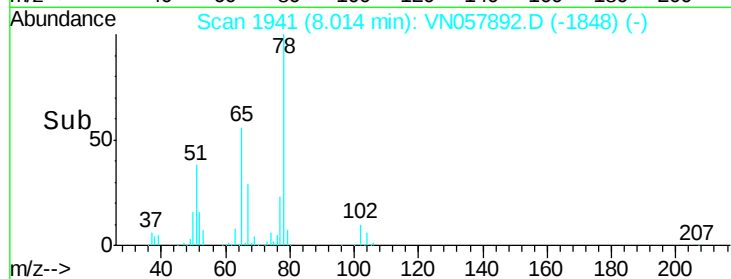
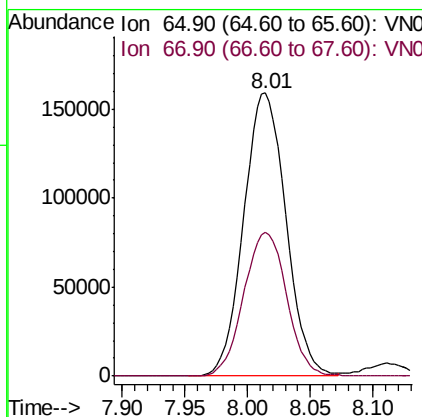
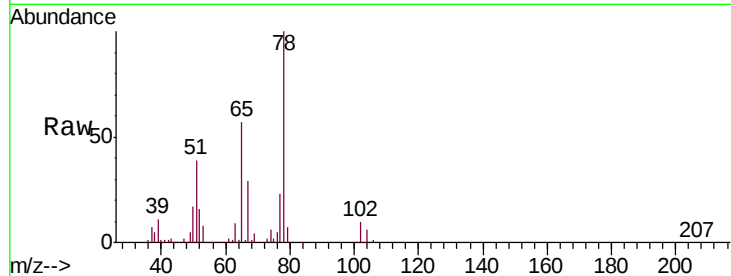
#33
 1,2-Dichloroethane-d4
 Concen: 49.473 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	373230		
67	51.8	0.0	104.0	

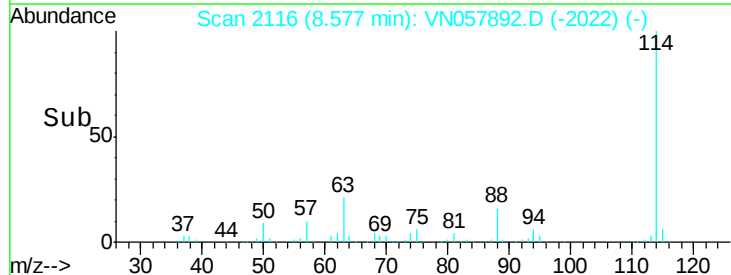
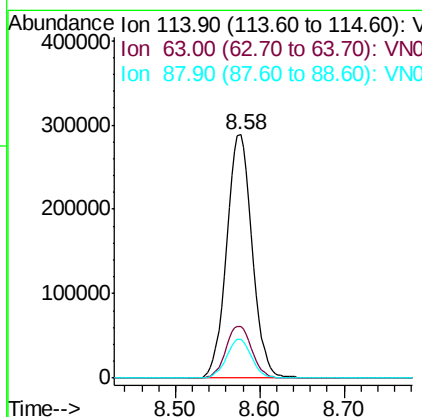
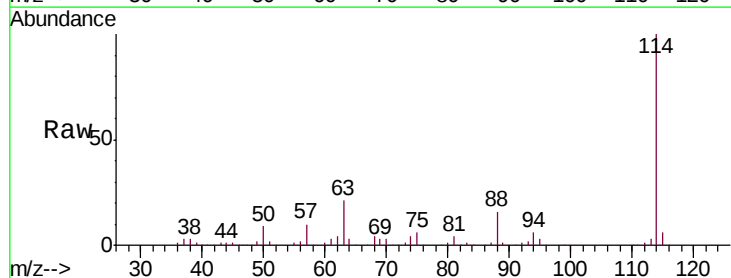
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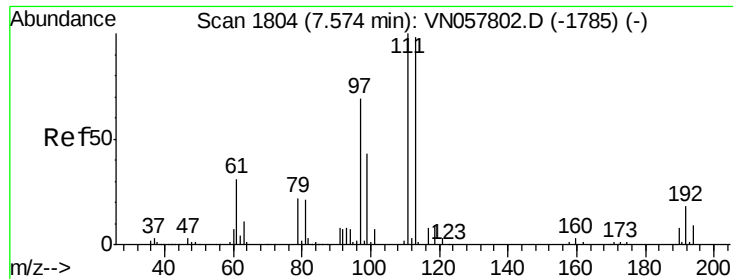
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	606449		
63	21.2	0.0	44.0	
88	15.9	0.0	31.4	





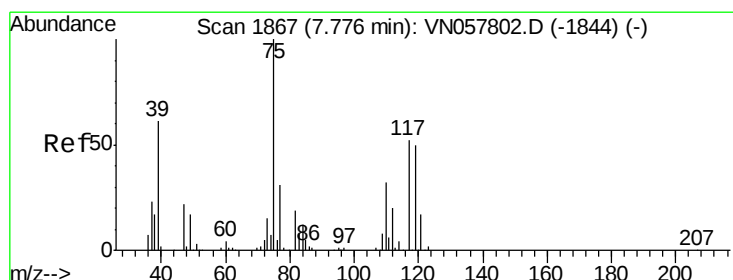
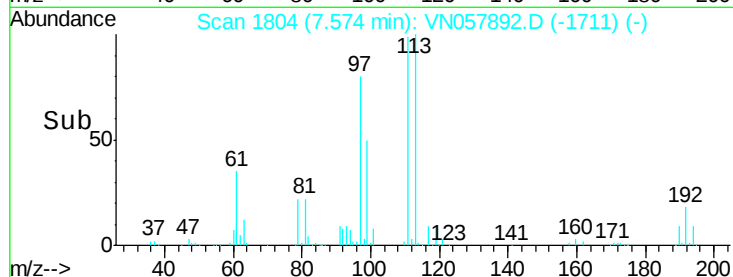
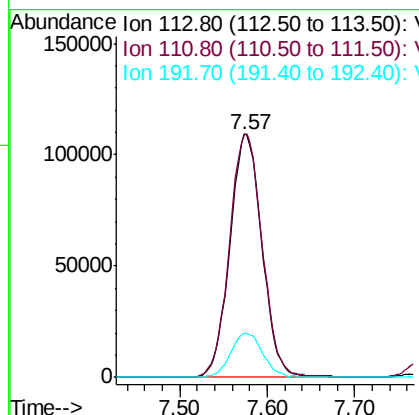
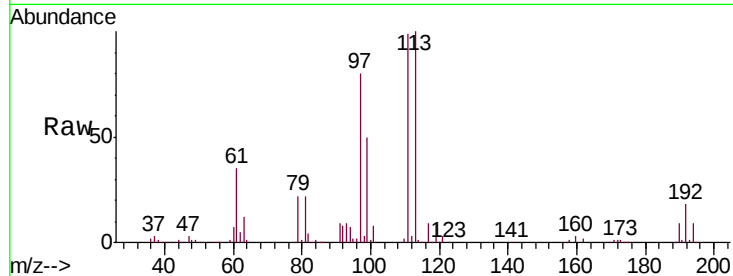
#35
 Dibromofluoromethane
 Concen: 49.627 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	277774		
111	102.1	81.3	121.9	
192	18.1	14.6	22.0	

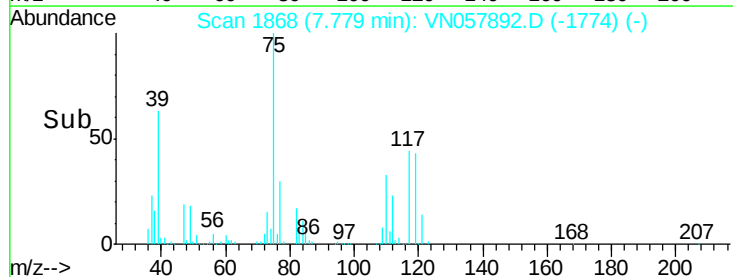
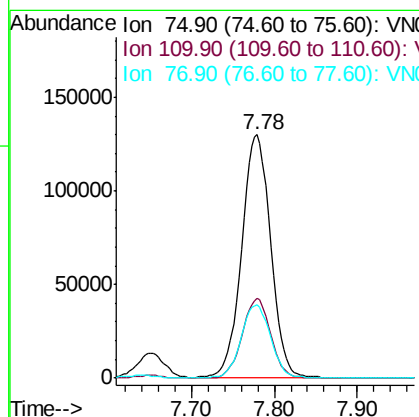
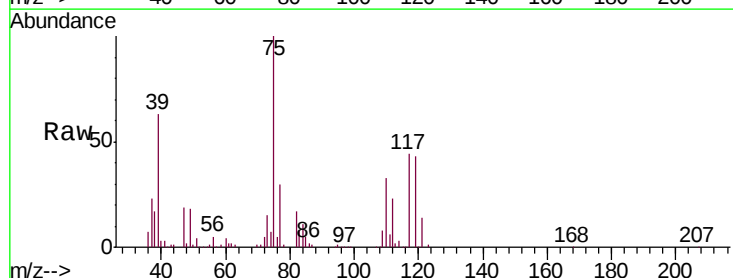
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#36
 1,1-Dichloropropene
 Concen: 44.953 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	316165		
110	32.2	16.3	48.9	
77	30.9	25.0	37.4	





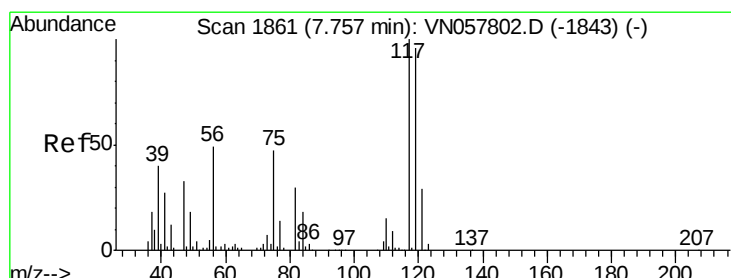
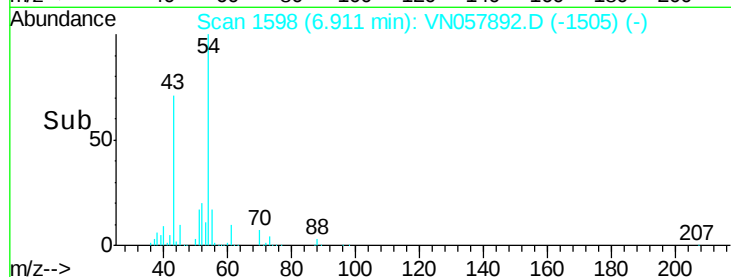
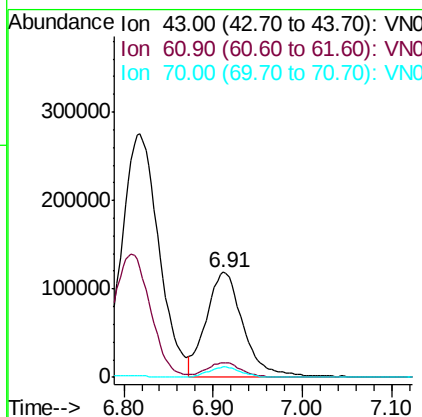
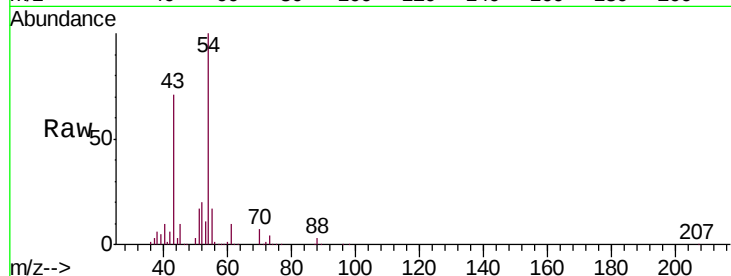
#37
Ethyl Acetate
Concen: 46.360 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.0	7.4	11.0

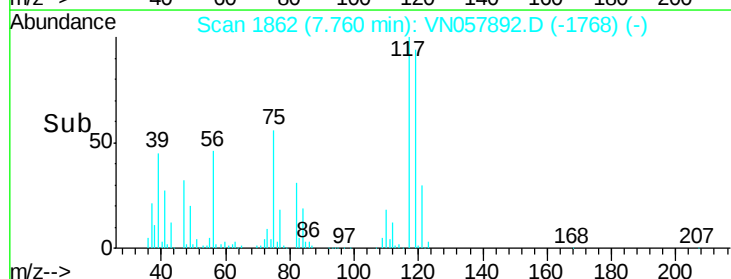
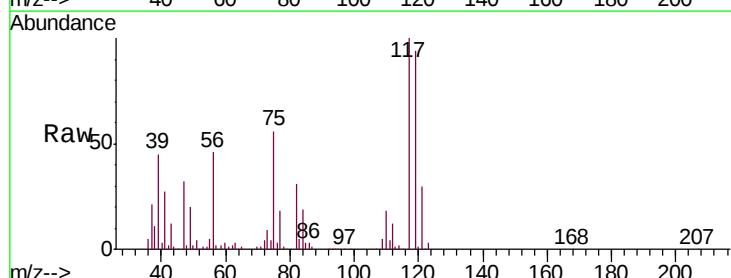
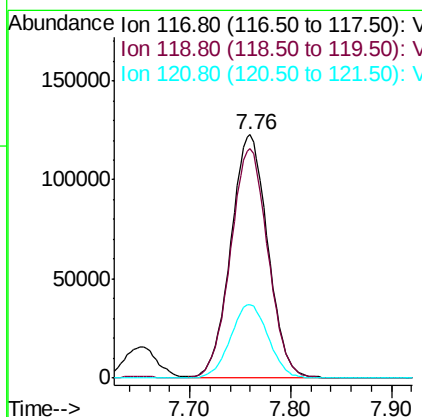
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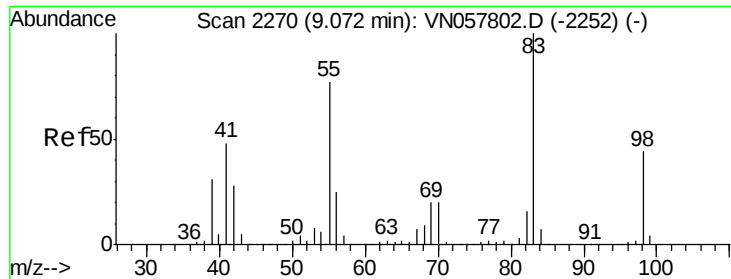
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#38
Carbon Tetrachloride
Concen: 48.772 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.9	115.3
121	30.2	23.4	35.2





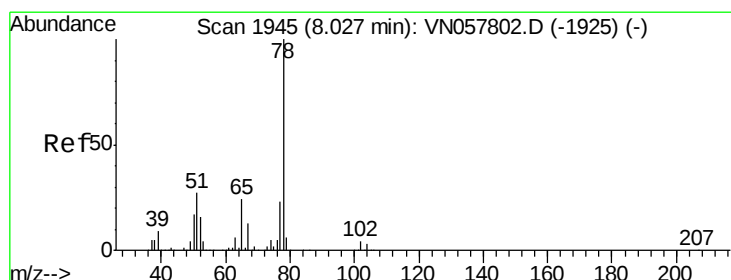
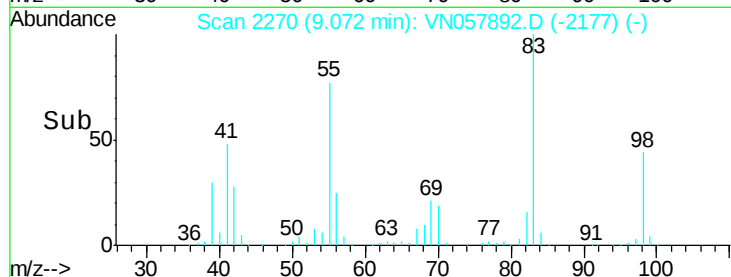
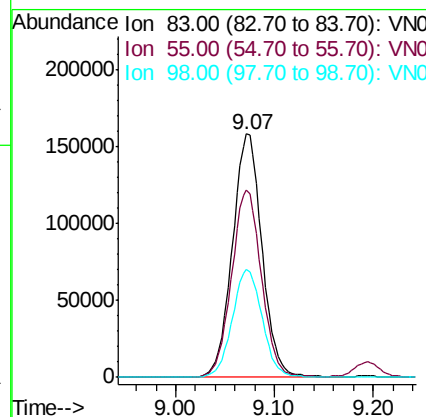
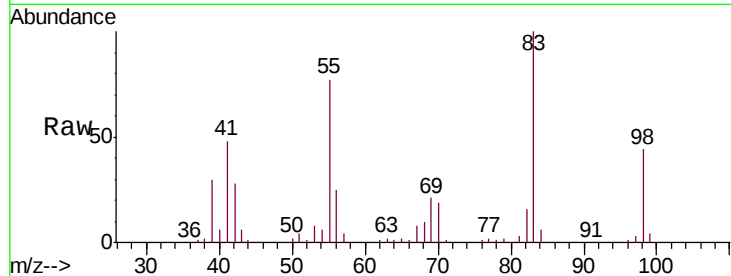
#39
Methylcyclohexane
Concen: 44.739 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.6	92.4
98	44.5	34.9	52.3

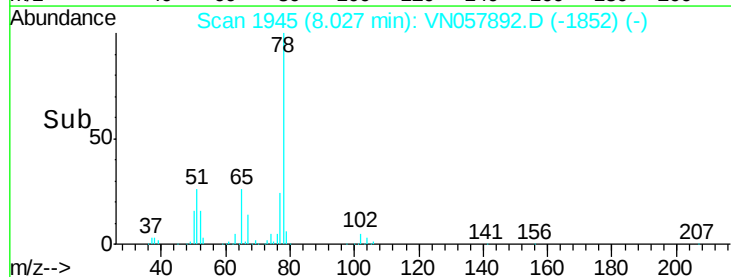
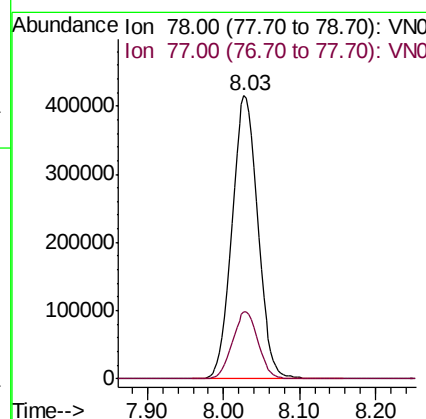
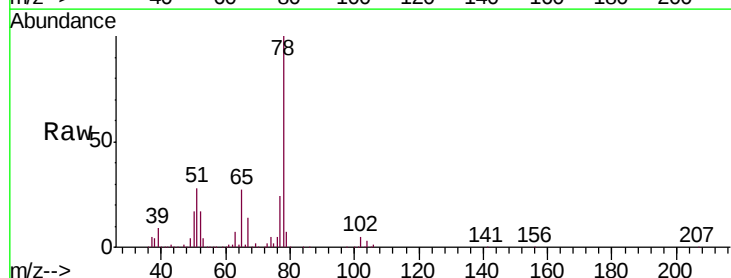
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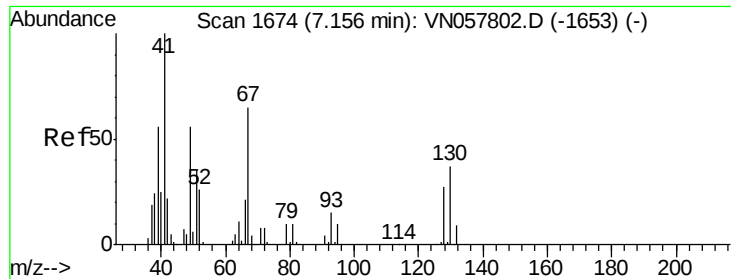
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#40
Benzene
Concen: 46.414 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5





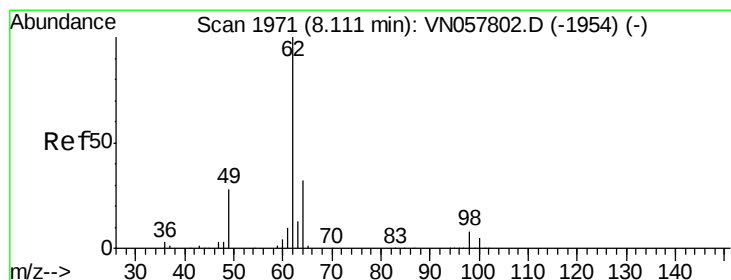
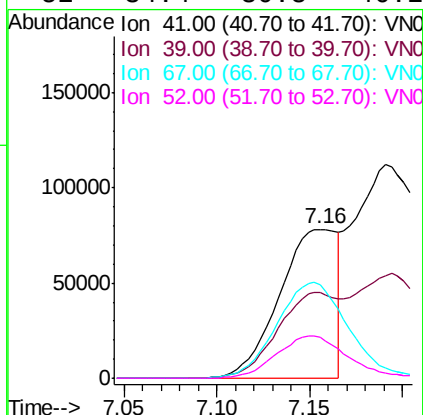
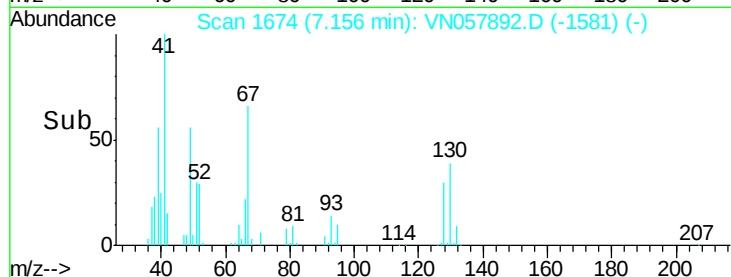
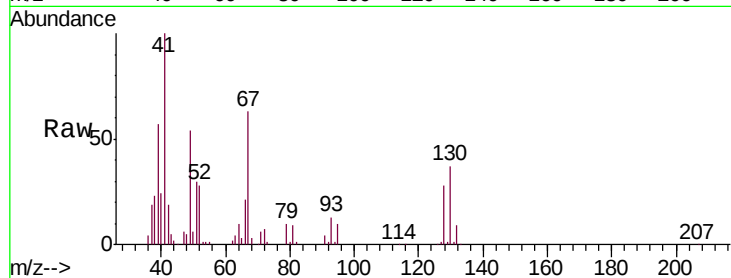
#41
Methacrylonitrile
Concen: 51.554 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.5	51.0	76.6
67	79.5	70.7	106.1
52	34.4	30.8	46.2

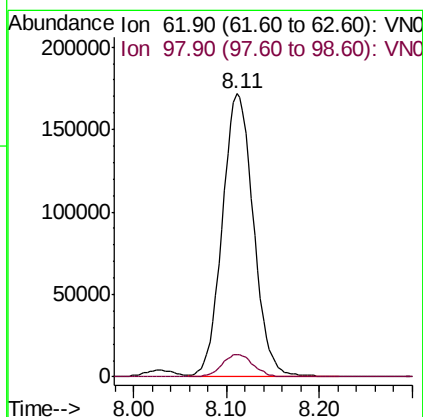
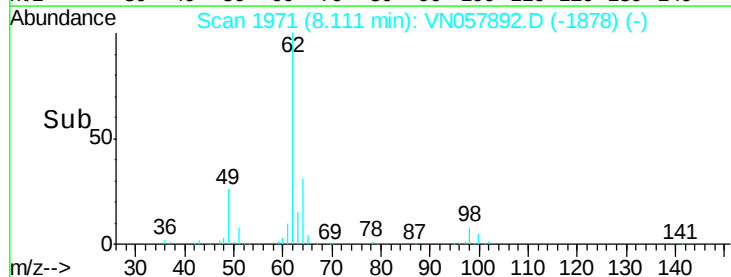
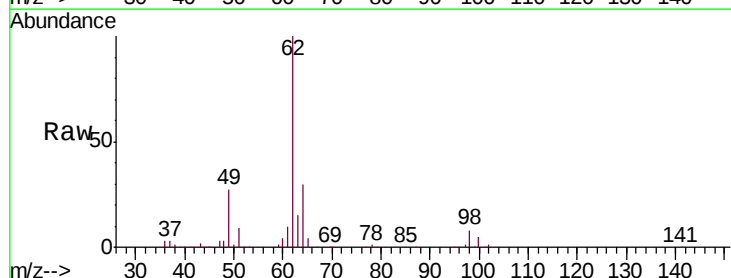
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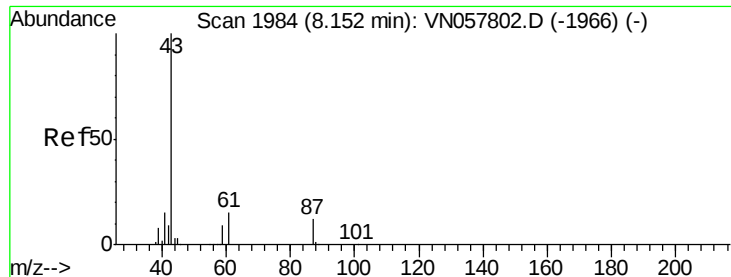
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.039 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





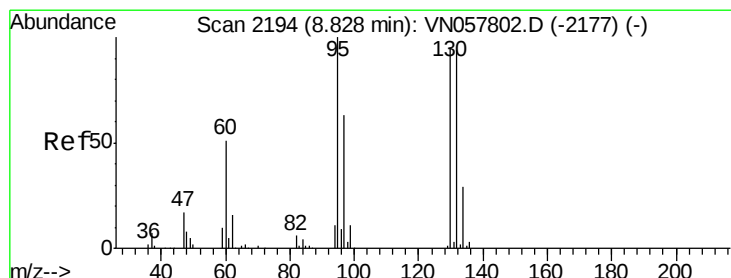
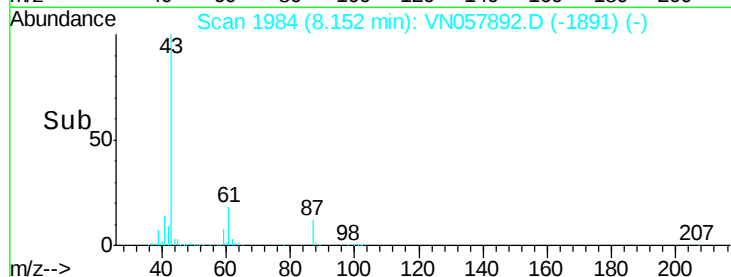
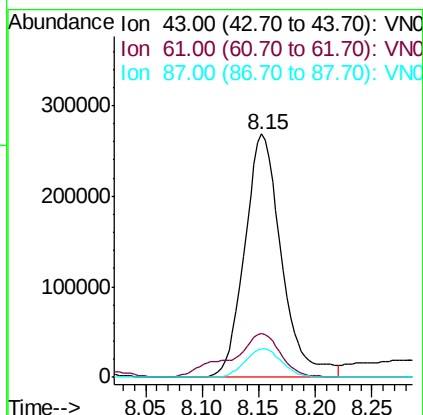
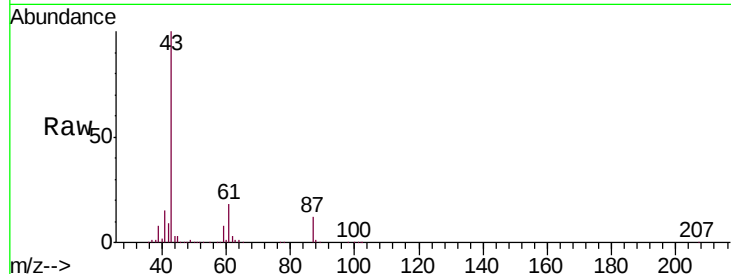
#43
Isopropyl Acetate
Concen: 49.561 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	24.1	20.1	30.1
87	11.8	9.5	14.3

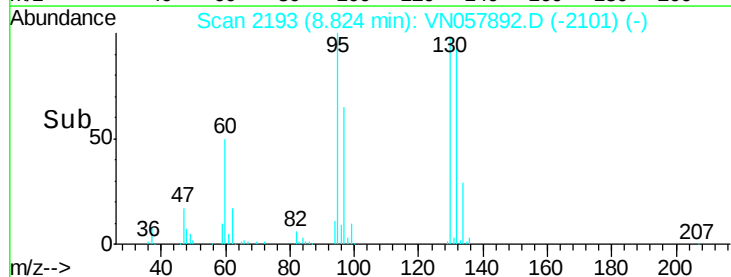
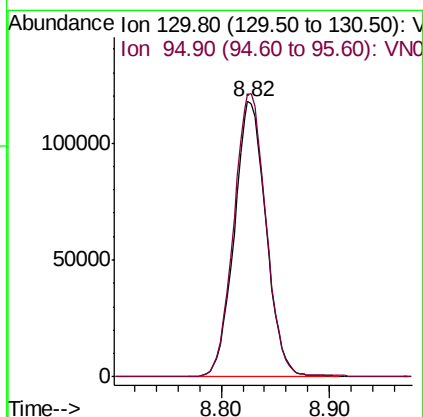
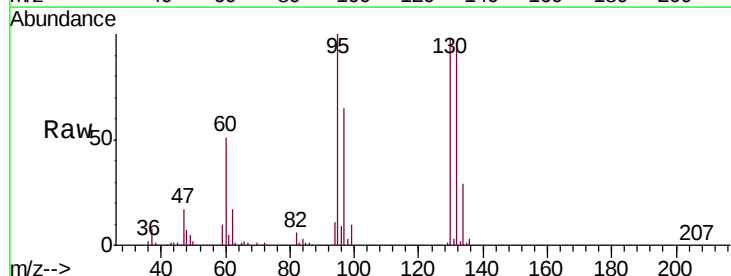
Manual Integrations
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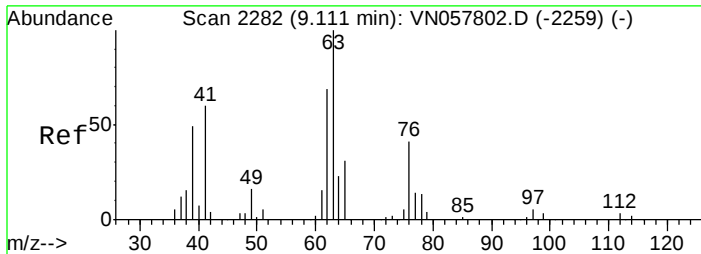
MMDadoda
9/13/2019 7:06:24 AM



#44
Trichloroethene
Concen: 46.560 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	211.4





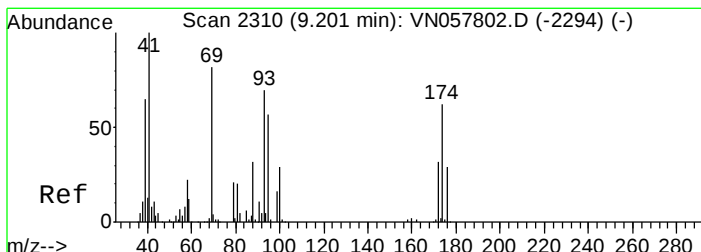
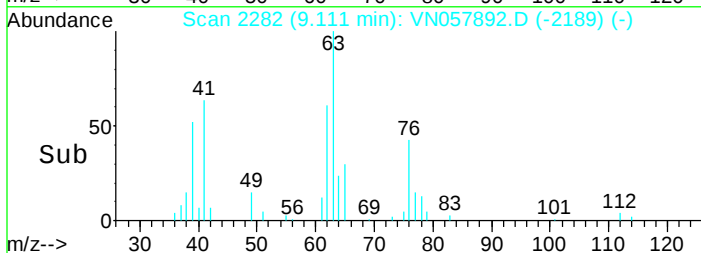
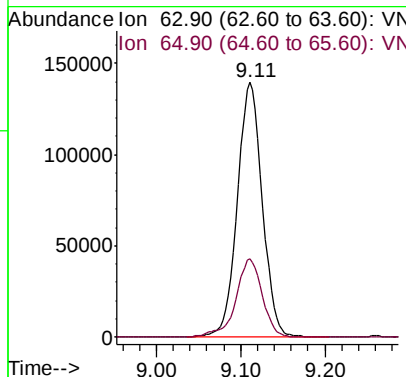
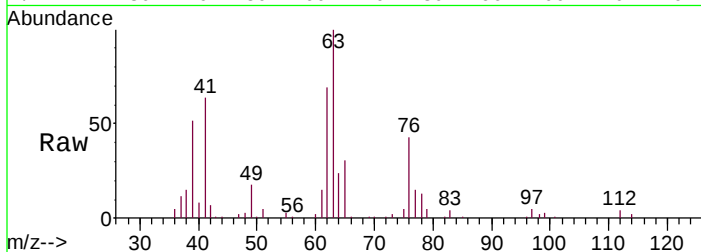
#45
1,2-Dichloropropane
Concen: 46.641 ug/l
RT: 9.11 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 287377
Ion Ratio Lower Upper
63 100
65 30.5 24.8 37.2

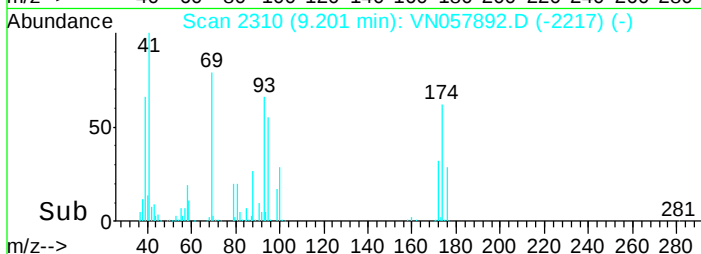
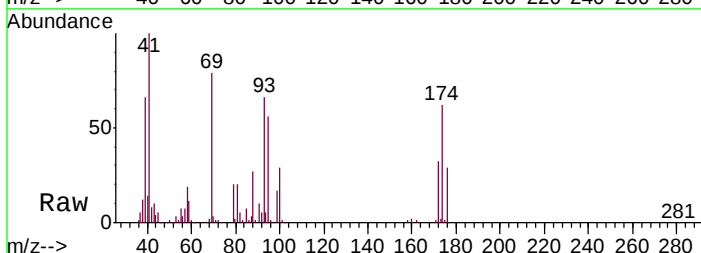
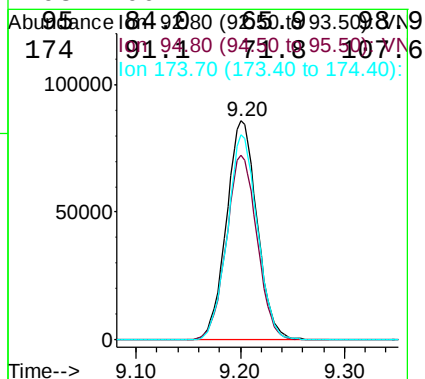
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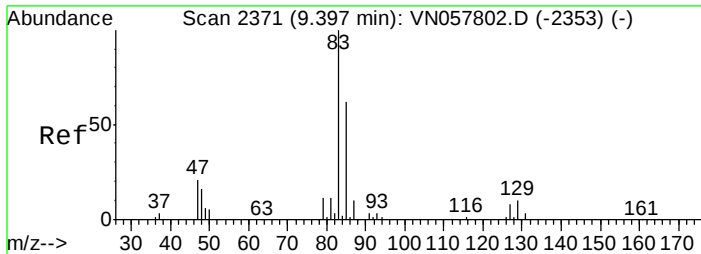
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#46
Dibromomethane
Concen: 47.308 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion: 93 Resp: 176141
Ion Ratio Lower Upper
93 100





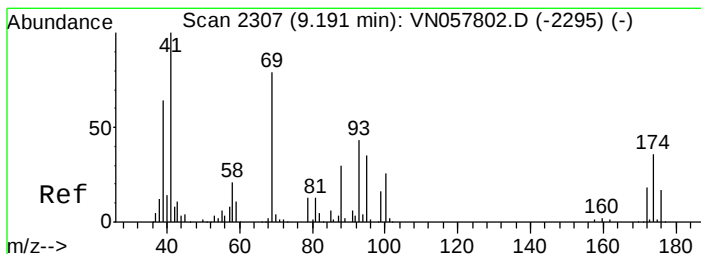
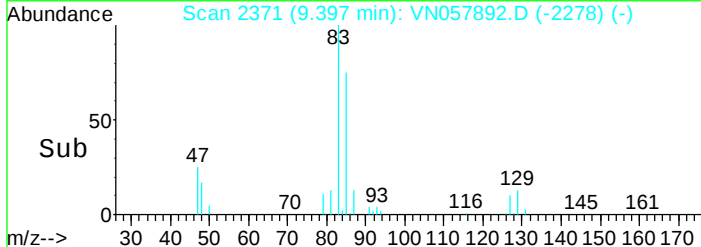
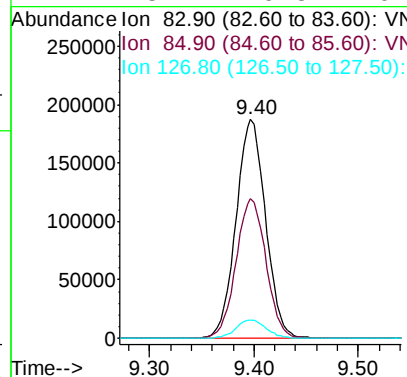
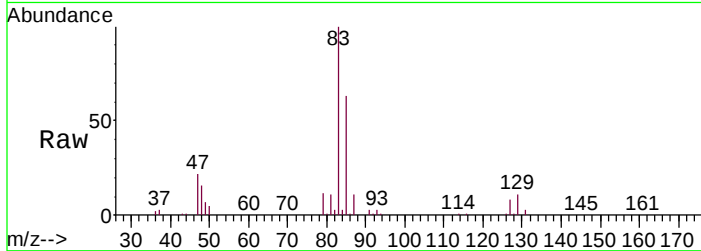
#47
 Bromodichloromethane
 Concen: 49.591 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	49.9	74.9	
127	8.2	6.5	9.7	

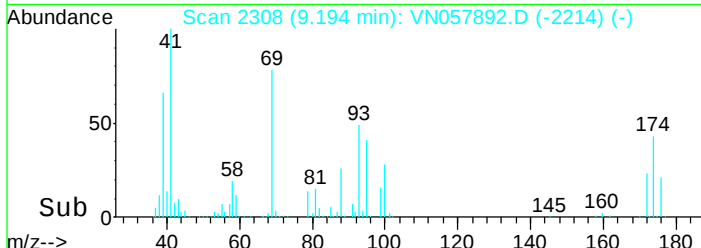
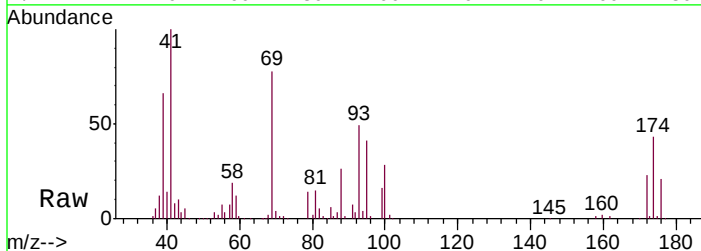
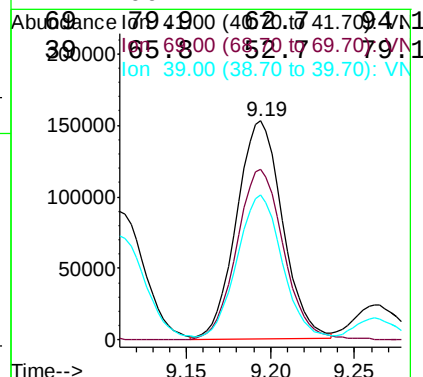
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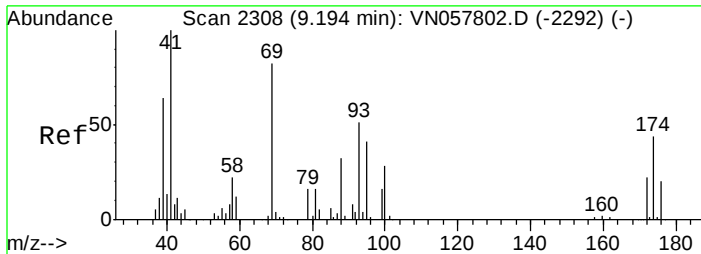
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 9/13/2019 7:06:24 AM



#48
 Methyl methacrylate
 Concen: 46.762 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.4	46.2	94.1	
93	65.8	52.7	79.1	





#49

1,4-Dioxane

Concen: 781.293 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN057892.D

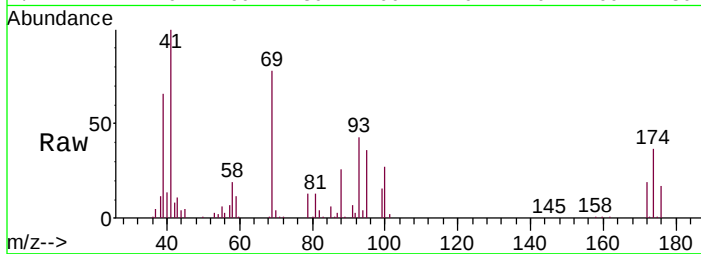
Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 88 Resp: 81901

Ion Ratio Lower Upper

88 100

43 37.0 28.5 42.7

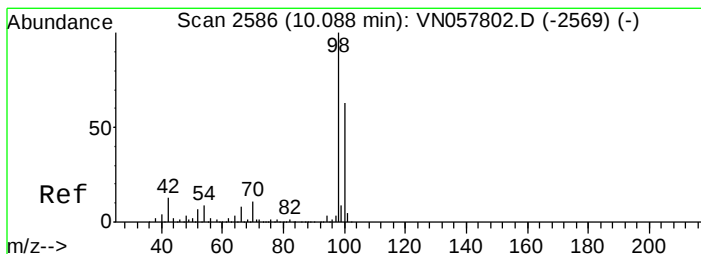
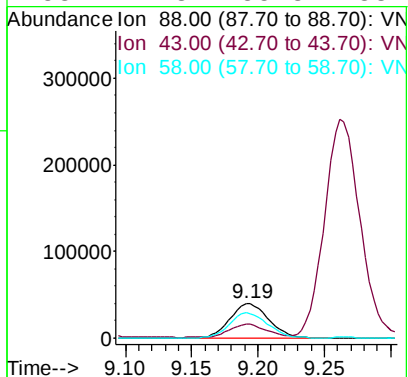
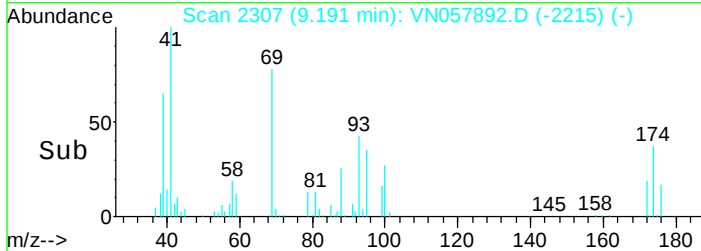
58 72.3 55.8 83.6

Manual Integrations

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#50

Toluene-d8

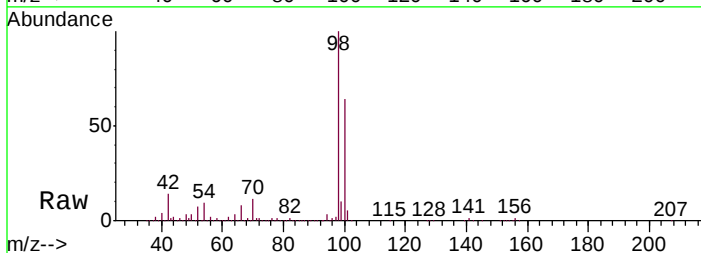
Concen: 51.803 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

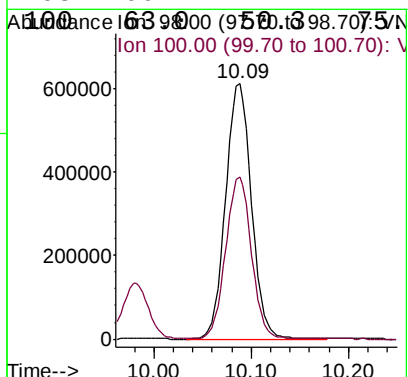
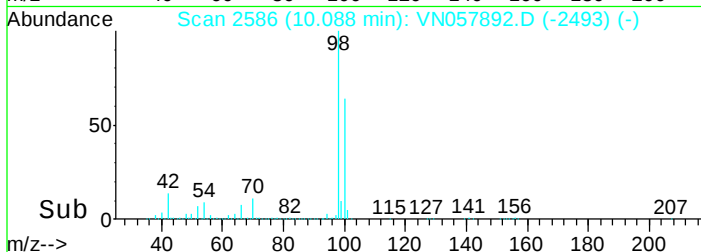


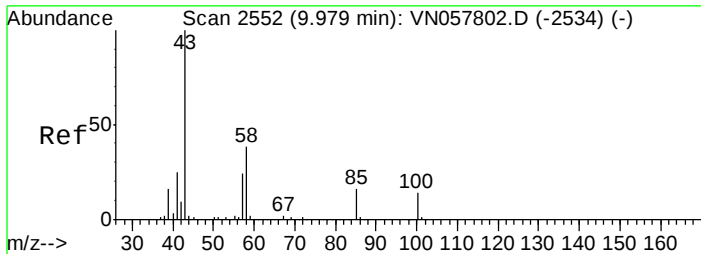
Tgt Ion: 98 Resp: 1125774

Ion Ratio Lower Upper

98 100

100 63.00 50.3 75.5





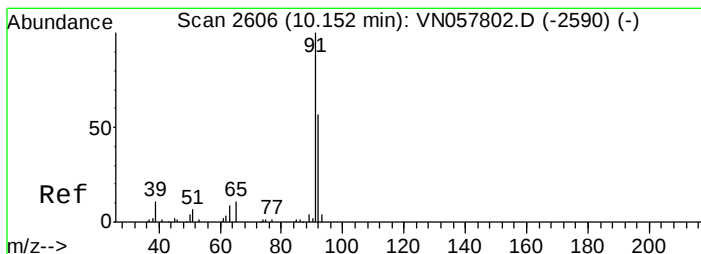
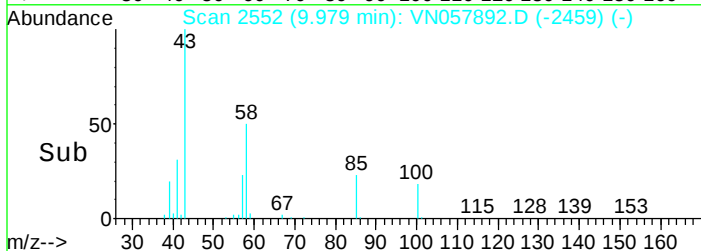
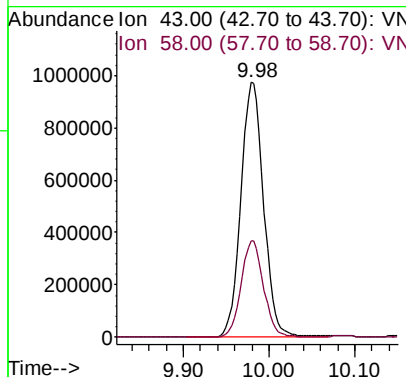
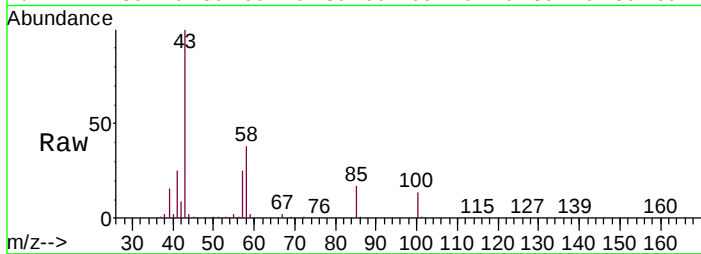
#51
 4-Methyl-2-Pentanone
 Concen: 248.323 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1795740
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.8 44.6

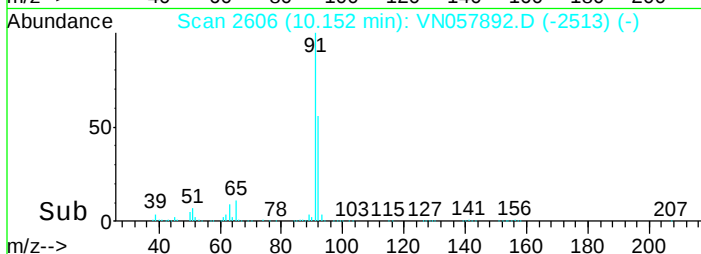
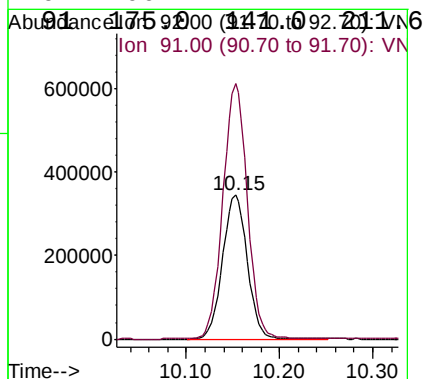
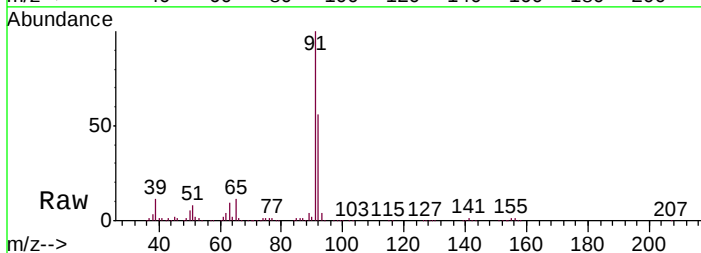
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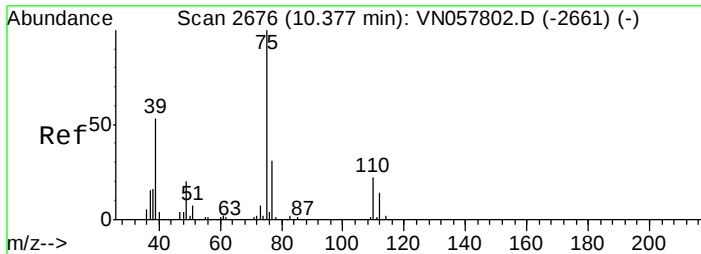
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#52
 Toluene
 Concen: 47.707 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion: 92 Resp: 636243
 Ion Ratio Lower Upper
 92 100





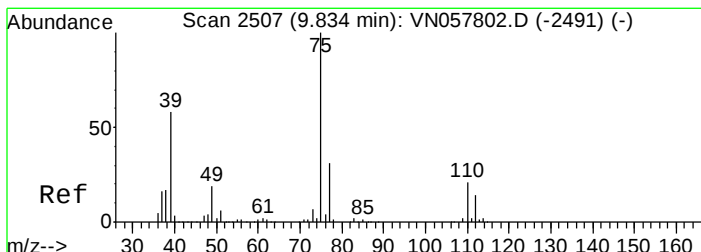
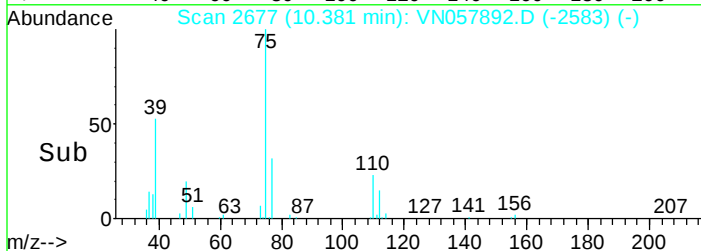
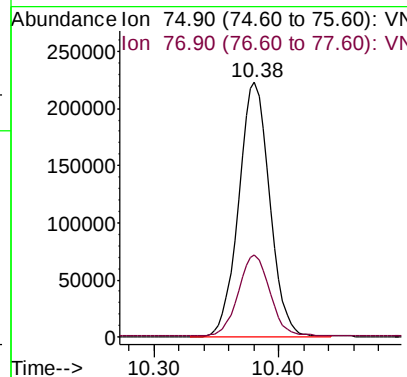
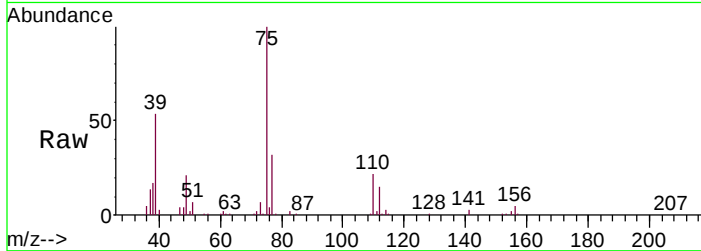
#53
 t-1,3-Dichloropropene
 Concen: 48.931 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 383107
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.5 36.7

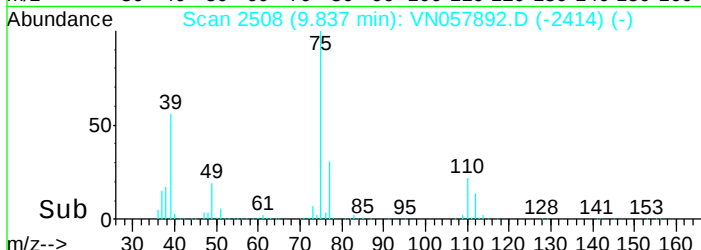
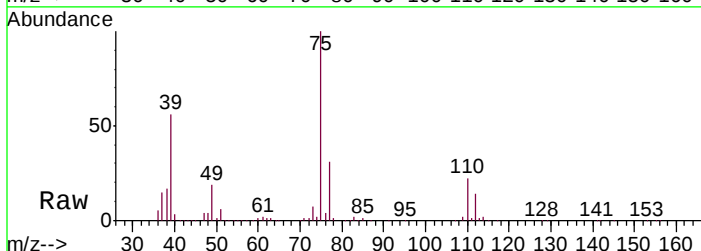
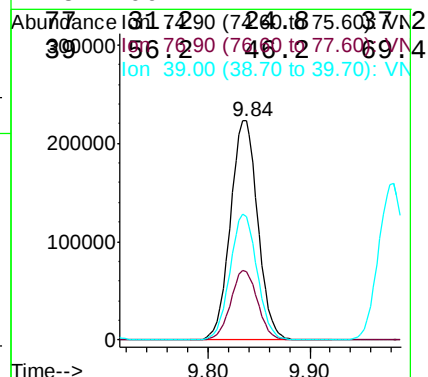
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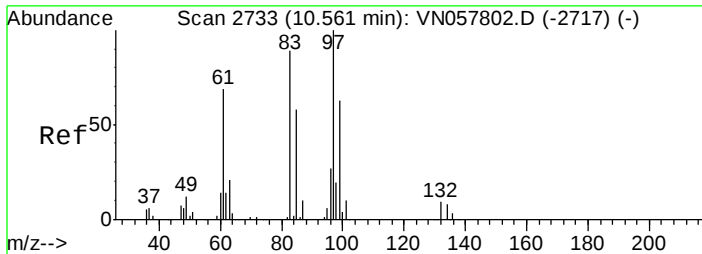
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#54
 cis-1,3-Dichloropropene
 Concen: 48.161 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

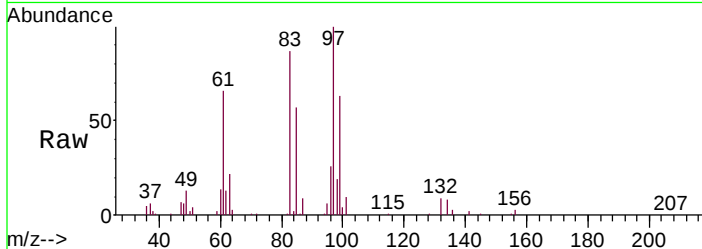
Tgt Ion: 75 Resp: 416312
 Ion Ratio Lower Upper
 75 100





#55
 1,1,2-Trichloroethane
 Concen: 48.132 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

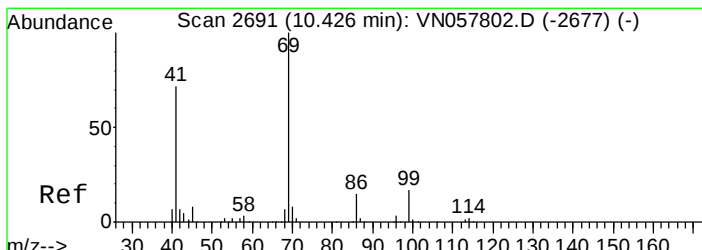
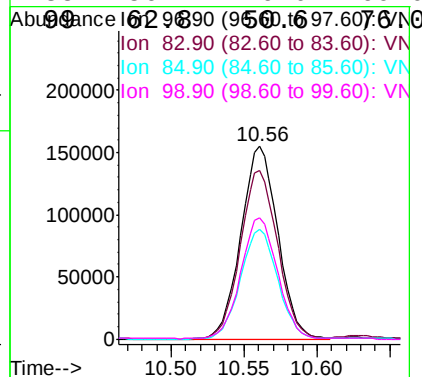
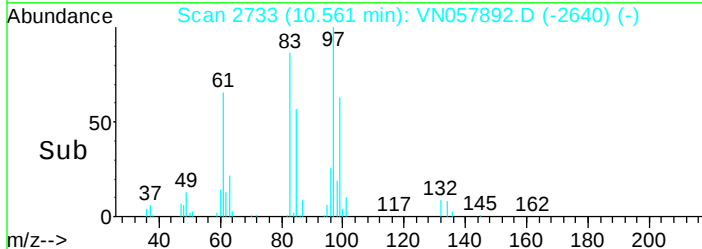
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC



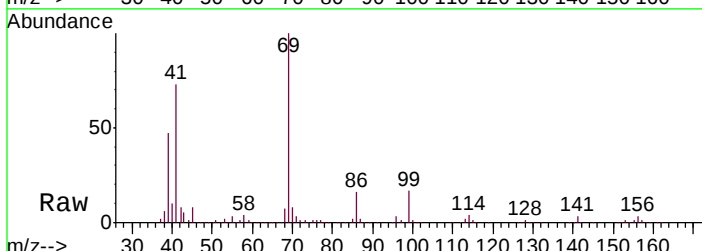
Tgt Ion: 97 Resp: 271906
 Ion Ratio Lower Upper
 97 100
 83 87.5 70.8 106.2
 85 56.7 46.0 69.0

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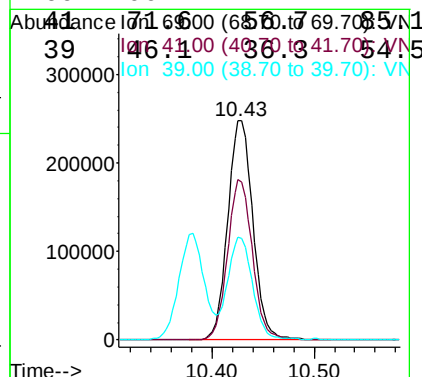
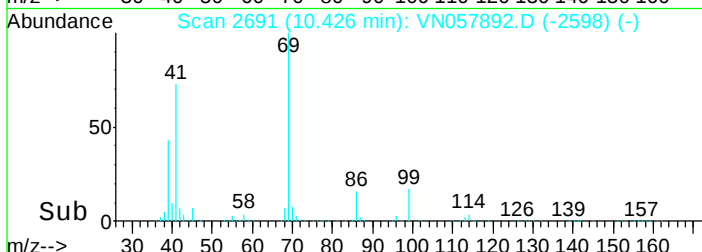
MMDadoda
 9/13/2019 7:06:24 AM

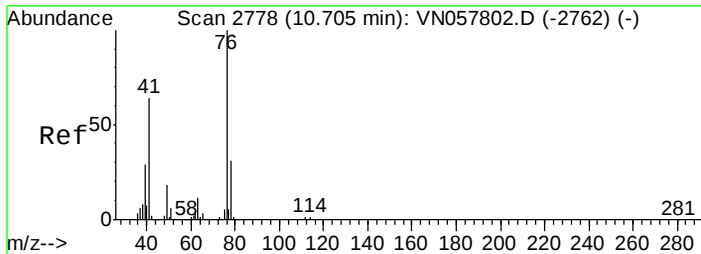


#56
 Ethyl methacrylate
 Concen: 49.874 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14



Tgt Ion: 69 Resp: 424287
 Ion Ratio Lower Upper
 69 100





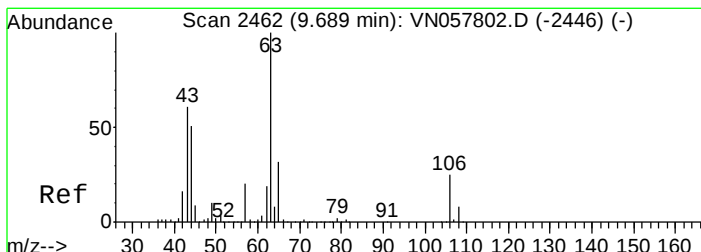
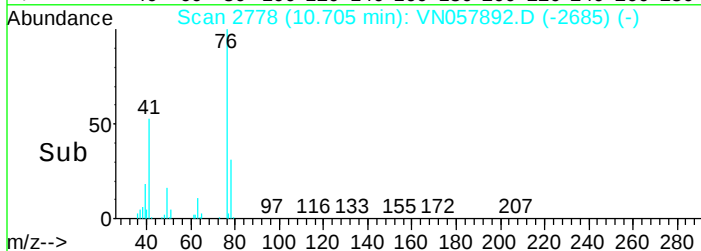
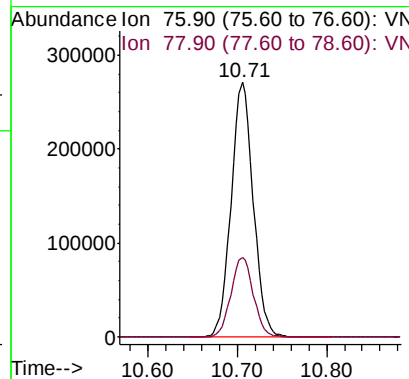
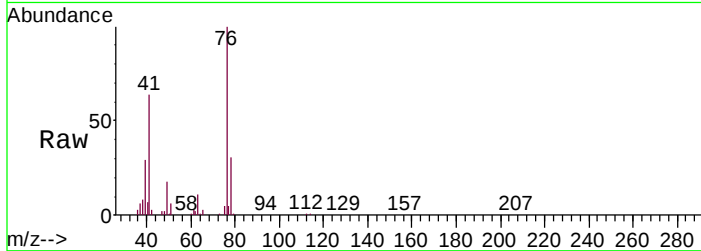
#57
 1,3-Dichloropropane
 Concen: 48.270 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 469936
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.2

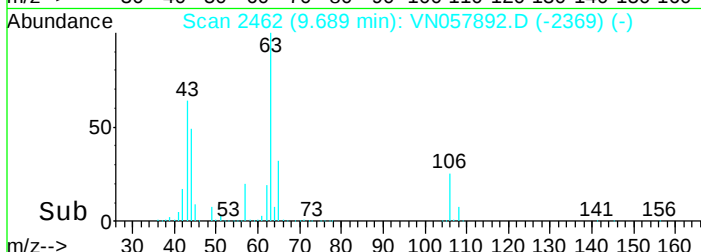
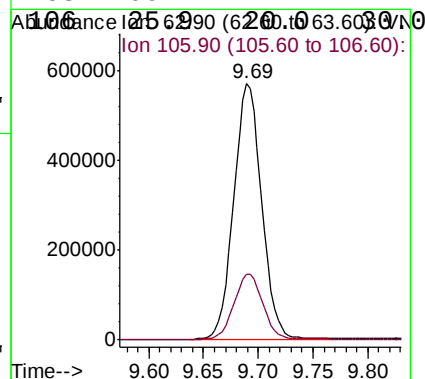
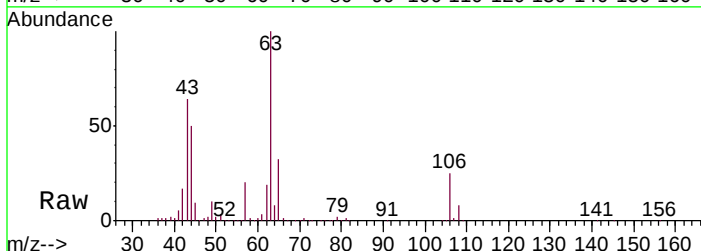
Manual Integrations
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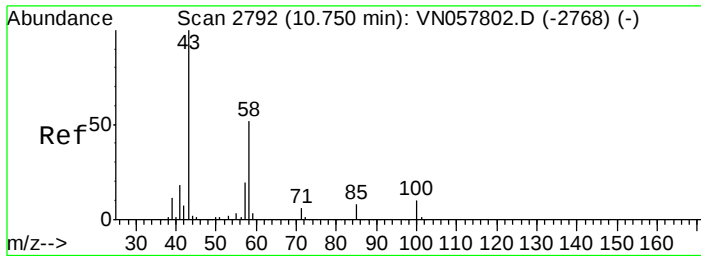
MMDadoda
 9/13/2019 7:06:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.871 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion: 63 Resp: 1005185
 Ion Ratio Lower Upper
 63 100





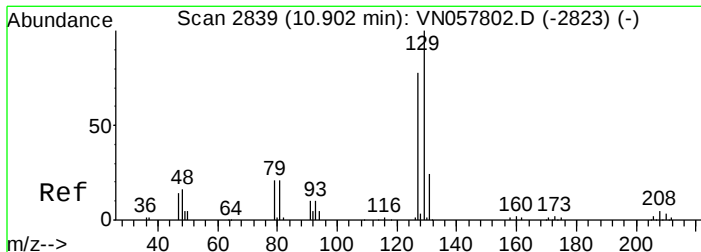
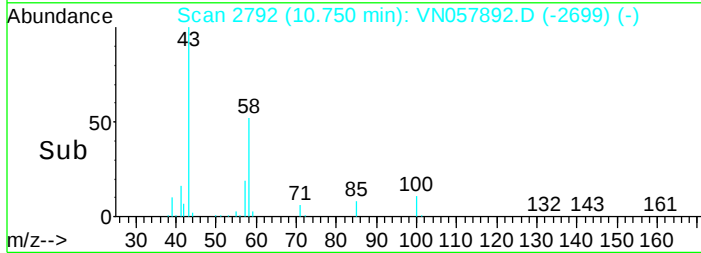
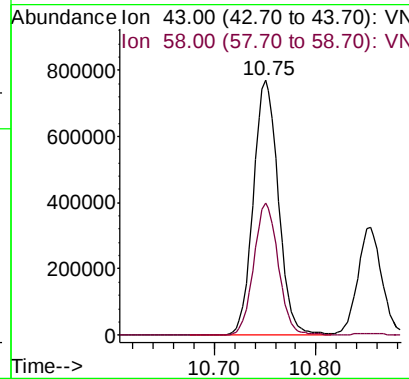
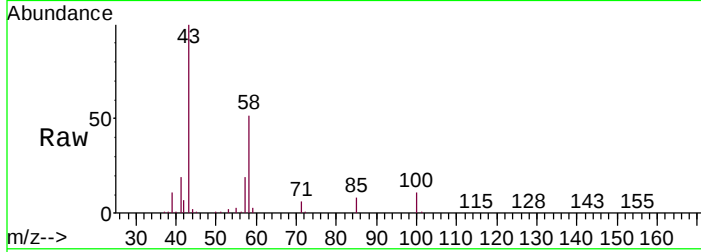
#59
2-Hexanone
Concen: 241.793 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1310581
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8

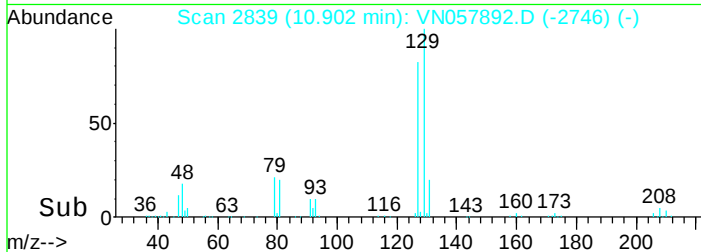
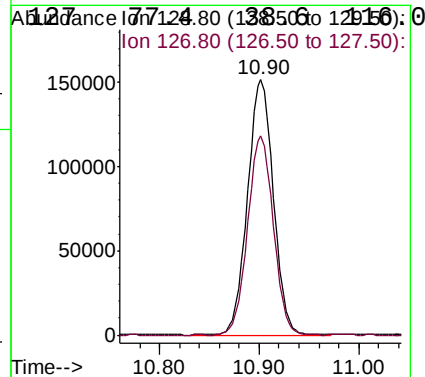
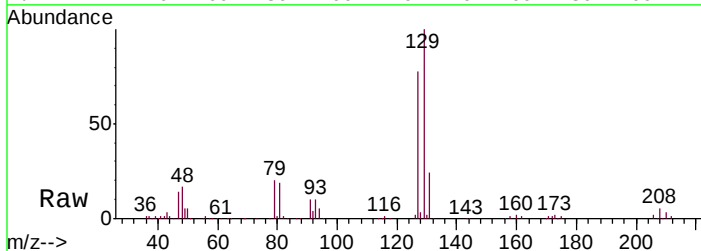
Manual Integrations
APPROVED

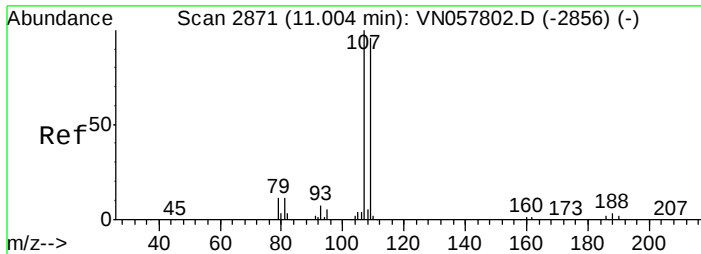
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9/13/2019 7:06:24 AM



#60
Dibromochloromethane
Concen: 52.053 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion: 129 Resp: 273061
Ion Ratio Lower Upper
129 100





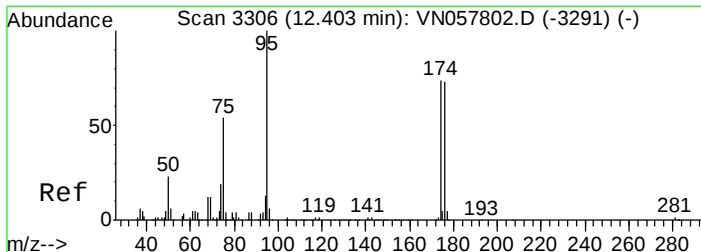
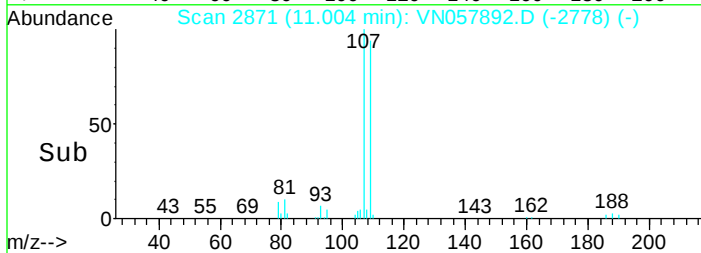
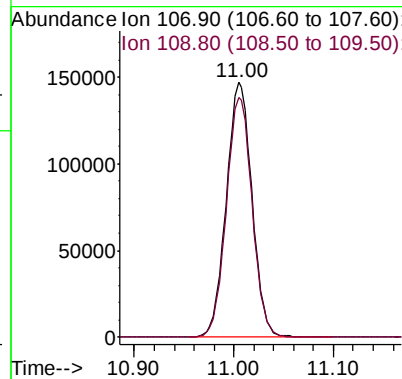
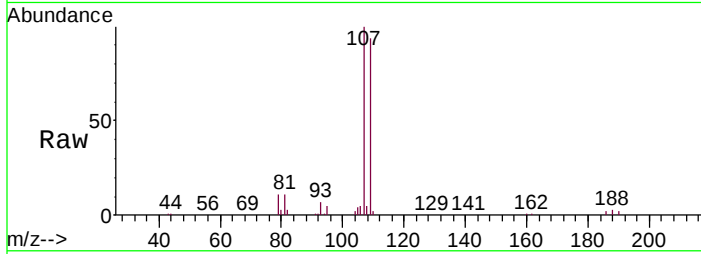
#61
1,2-Dibromoethane
Concen: 49.114 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 107 Resp: 262305
Ion Ratio Lower Upper
107 100
109 94.6 75.3 112.9

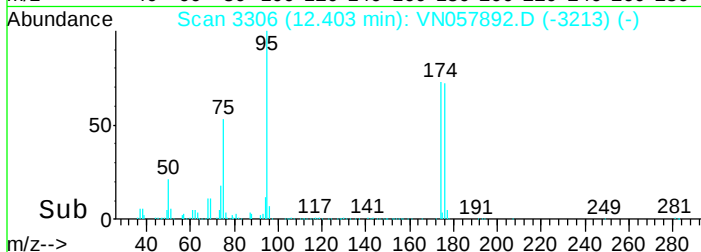
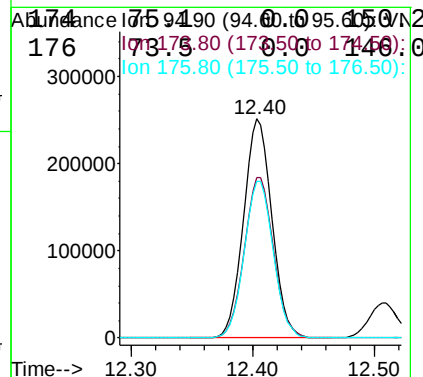
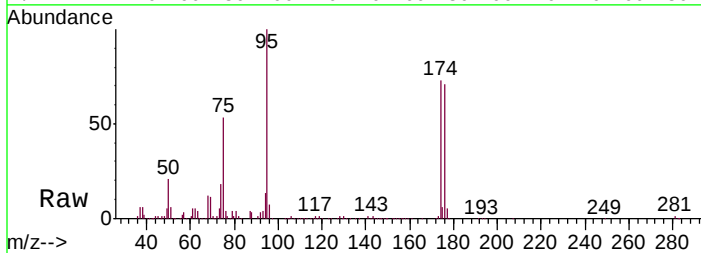
Manual Integrations
APPROVED

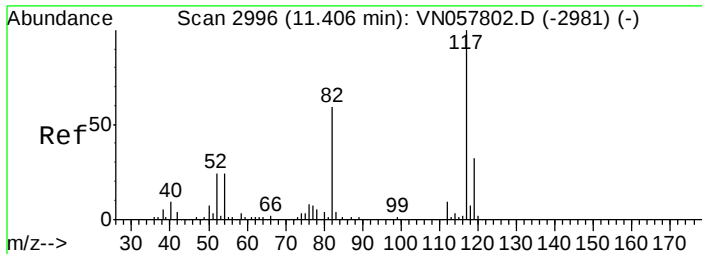
MMDadoda
9/13/2019 7:06:24 AM



#62
4-Bromofluorobenzene
Concen: 49.854 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

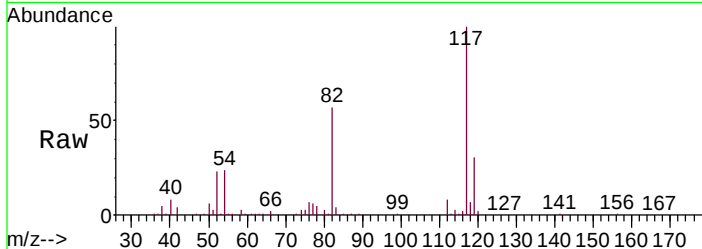
Tgt Ion: 95 Resp: 412878
Ion Ratio Lower Upper
95 100





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

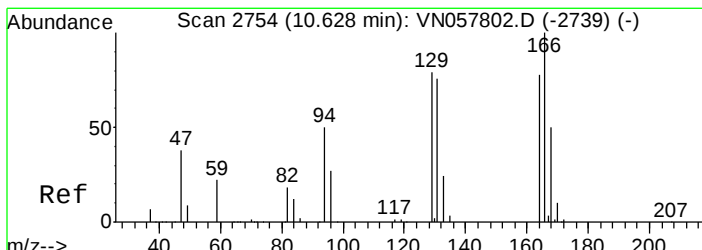
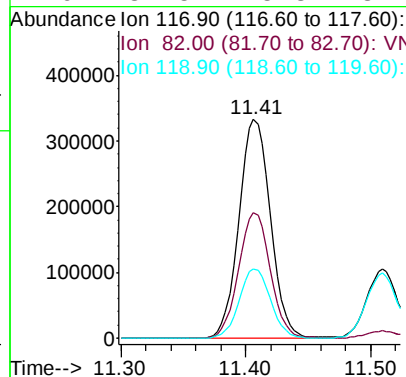
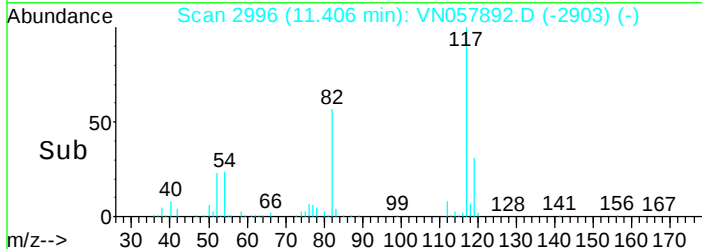
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



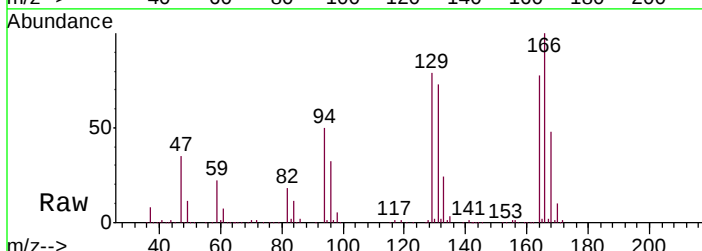
Tgt Ion:117 Resp: 582740
Ion Ratio Lower Upper
117 100
82 57.3 47.2 70.8
119 31.5 25.3 37.9

Manual Integrations
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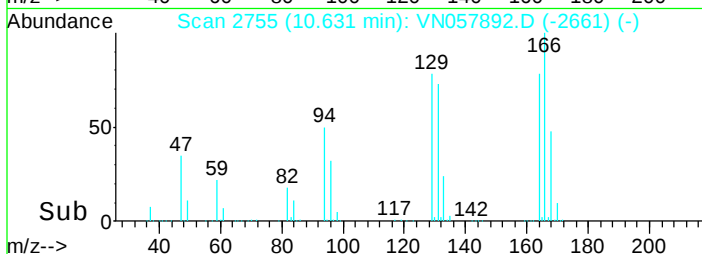
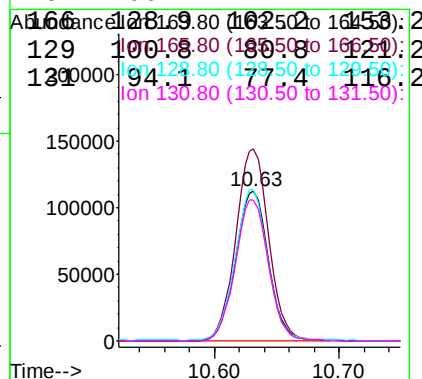
MMDadoda
9/13/2019 7:06:24 AM

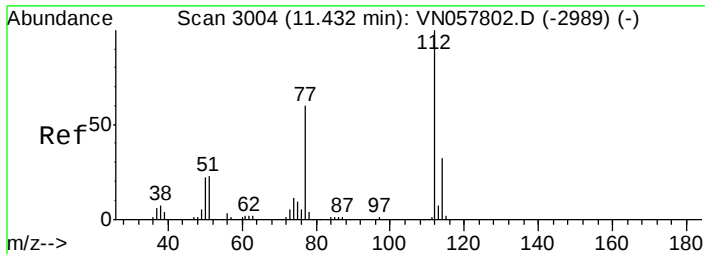


#64
Tetrachloroethene
Concen: 47.683 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14



Tgt Ion:164 Resp: 205162
Ion Ratio Lower Upper
164 100
166 128.69 102.2 153.2
129 100.8 80.8 121.2
131 94.1 77.4 116.2





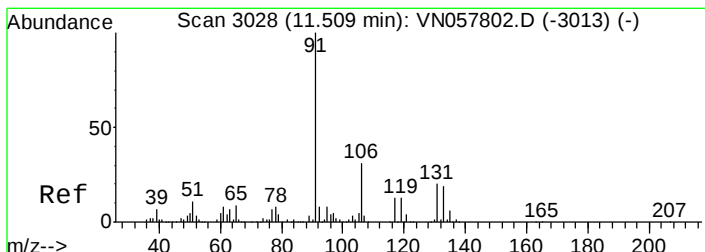
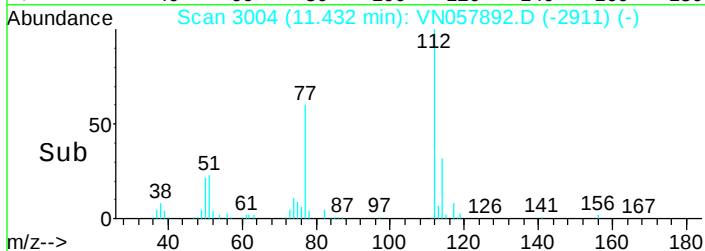
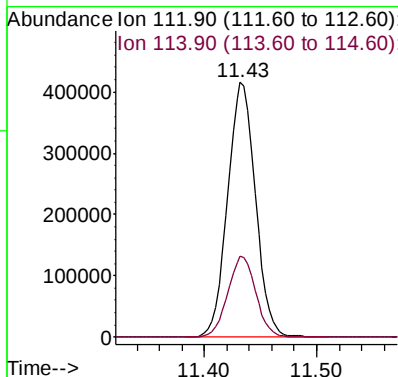
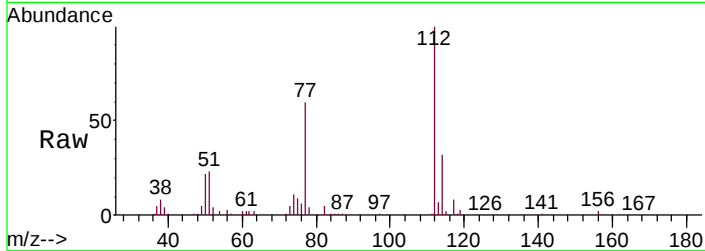
#65
Chlorobenzene
Concen: 46.965 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 716250
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

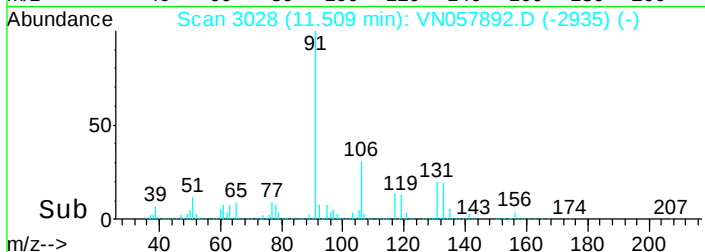
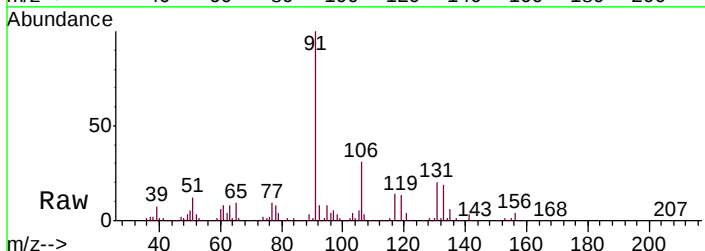
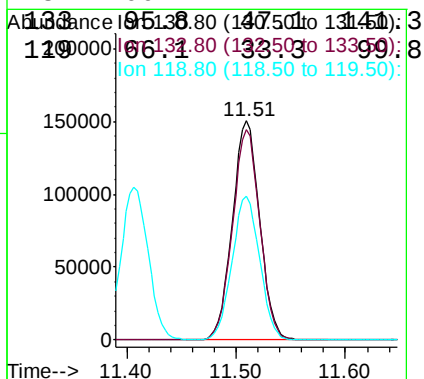
Manual Integrations
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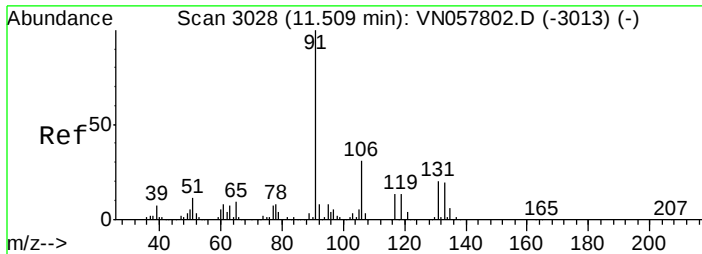
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.336 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion:131 Resp: 261084
Ion Ratio Lower Upper
131 100





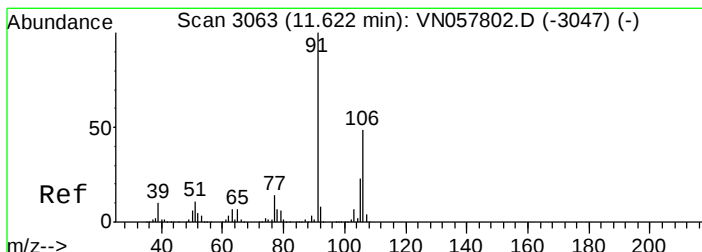
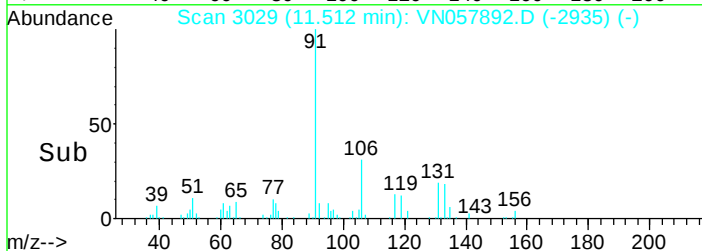
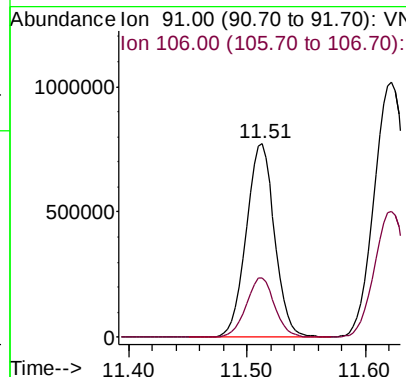
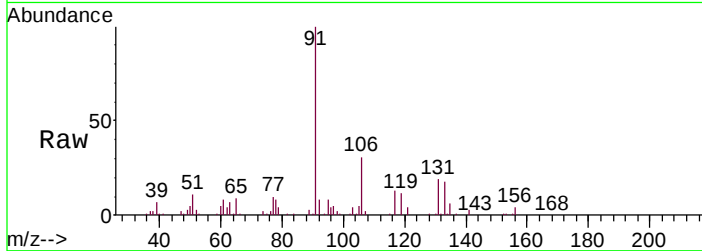
#67
Ethyl Benzene
Concen: 48.693 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1301432
Ion Ratio Lower Upper
91 100
106 30.7 24.4 36.6

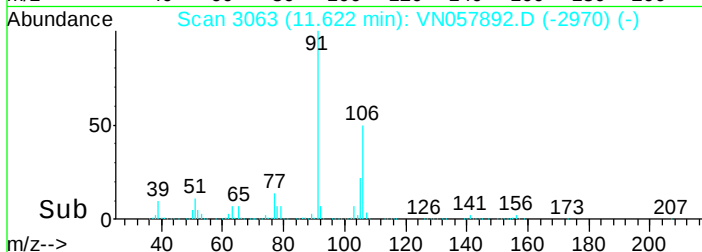
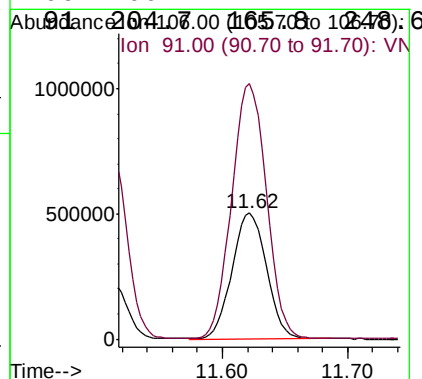
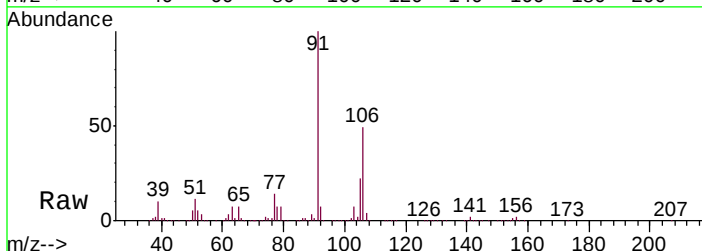
Manual Integrations
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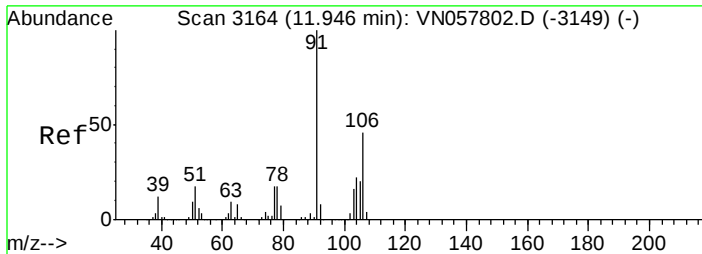
MMDadoda
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#68
m/p-Xylenes
Concen: 98.568 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion: 106 Resp: 965009
Ion Ratio Lower Upper
106 100





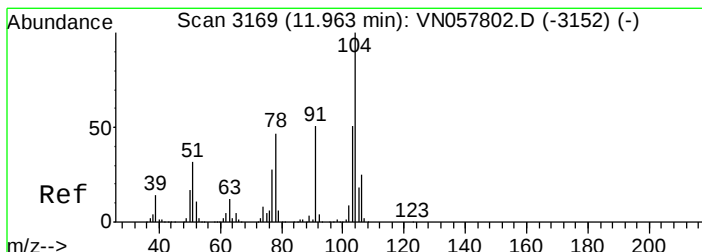
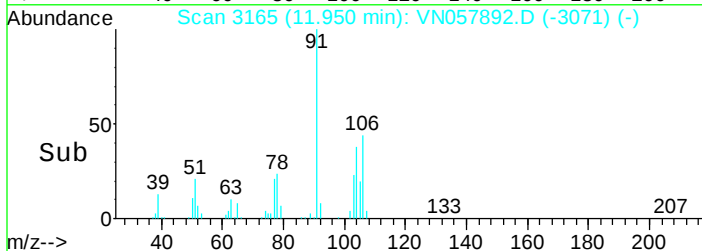
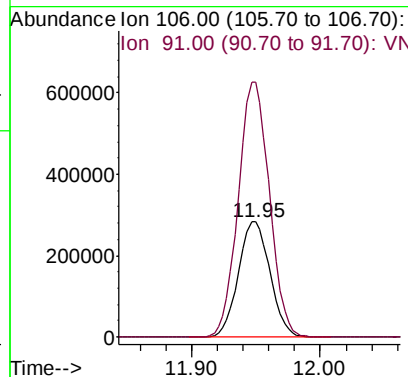
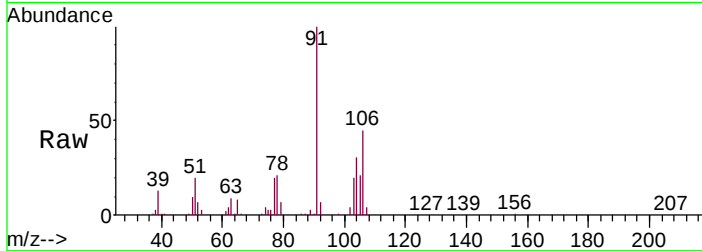
#69
o-Xylene
Concen: 49.388 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 480693
Ion Ratio Lower Upper
106 100
91 218.0 108.7 326.1

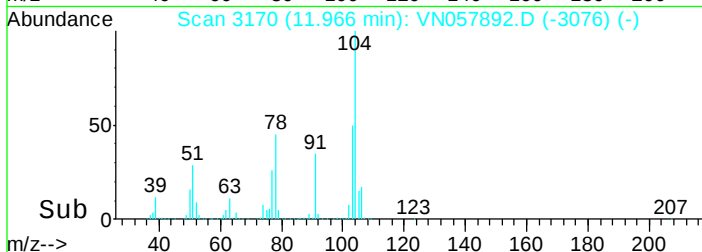
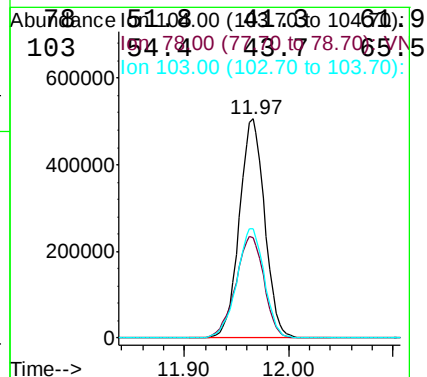
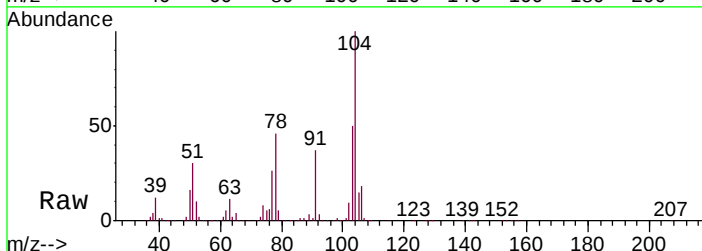
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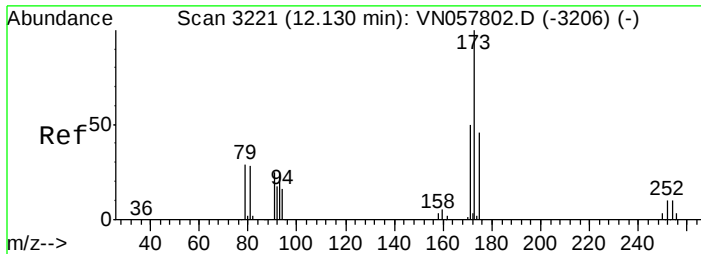
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#70
Styrene
Concen: 50.988 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion:104 Resp: 854066
Ion Ratio Lower Upper
104 100





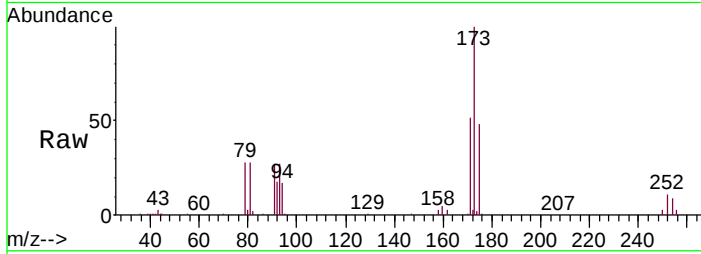
#71
Bromoform
Concen: 51.220 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

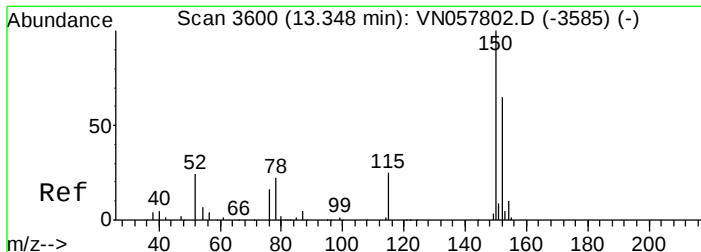
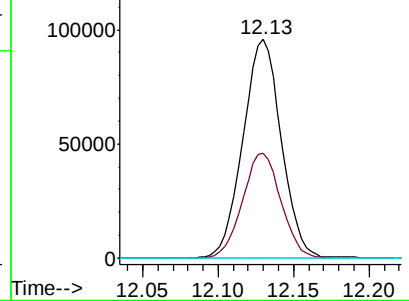
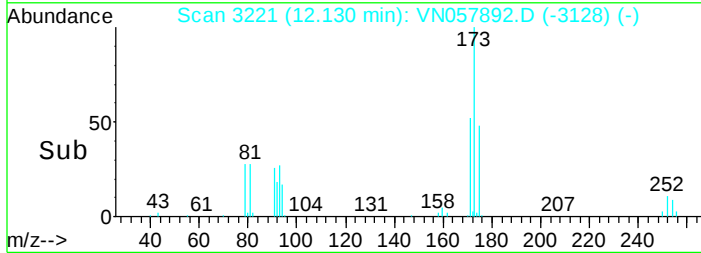
Tgt Ion:173 Resp: 168989
Ion Ratio Lower Upper
173 100
175 48.0 23.5 70.6
254 0.0 0.1 0.1#

Manual Integrations
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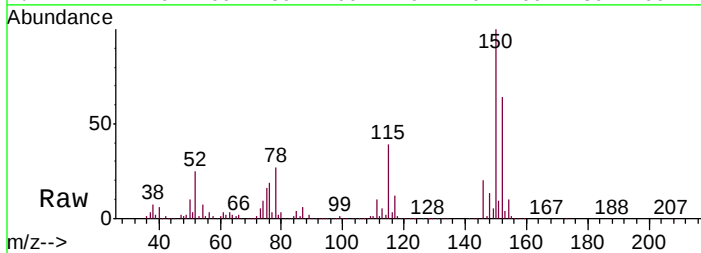


Abundance Ion 172.70 (172.40 to 173.40):
Ion 174.70 (174.40 to 175.40):
Ion 254.40 (254.10 to 255.10):

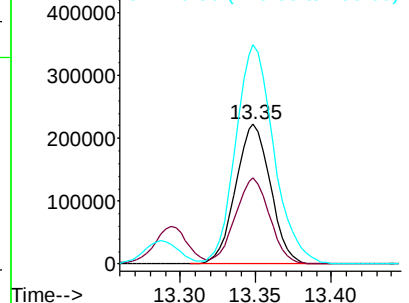
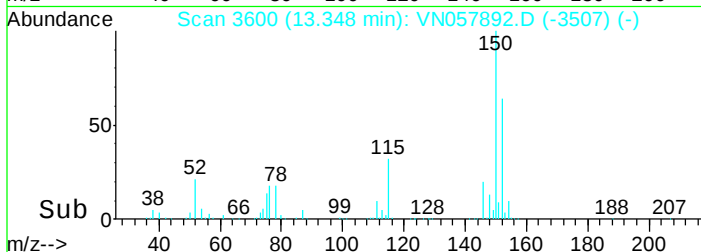


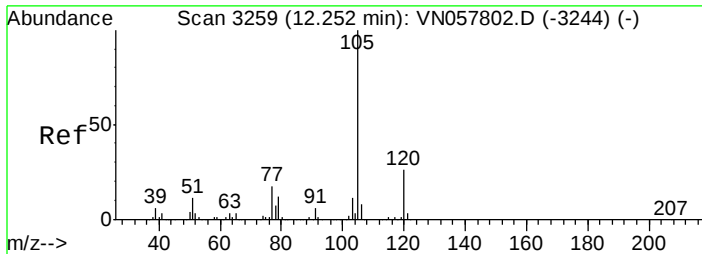
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion:152 Resp: 355050
Ion Ratio Lower Upper
152 100



Abundance Ion 151.90 (151.60 to 152.20):
Ion 111.90 (111.60 to 112.20):
Ion 149.90 (149.60 to 150.60):





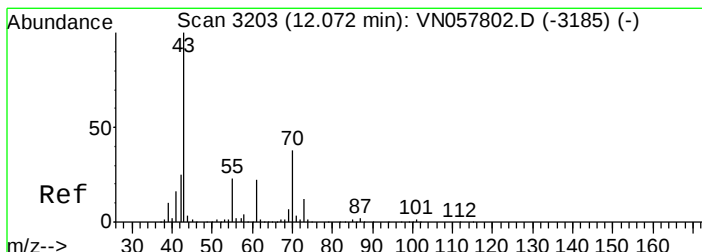
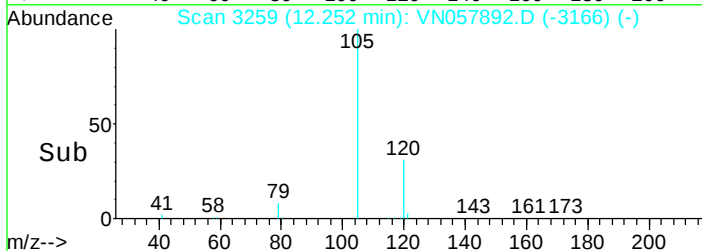
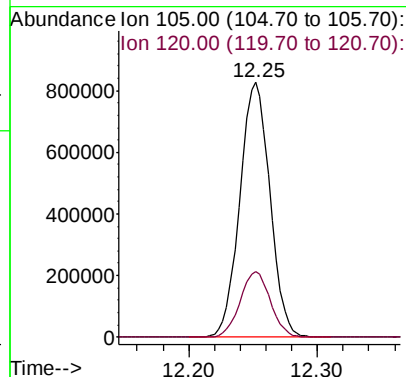
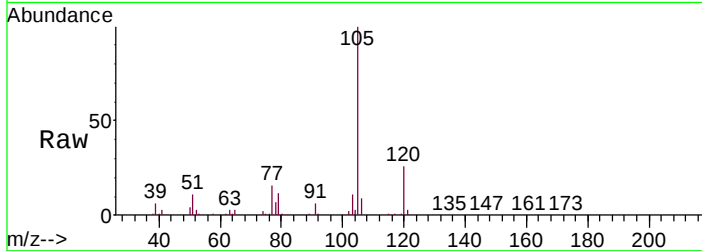
#73
Isopropylbenzene
Concen: 48.467 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 1335293
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4

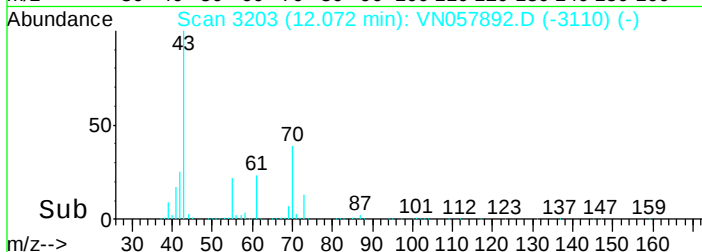
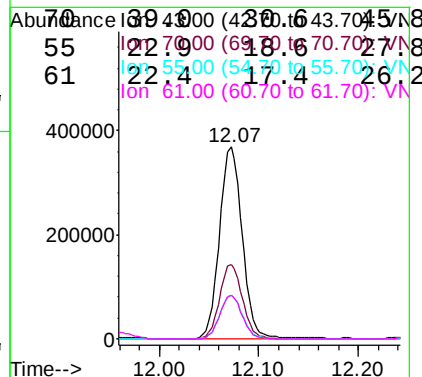
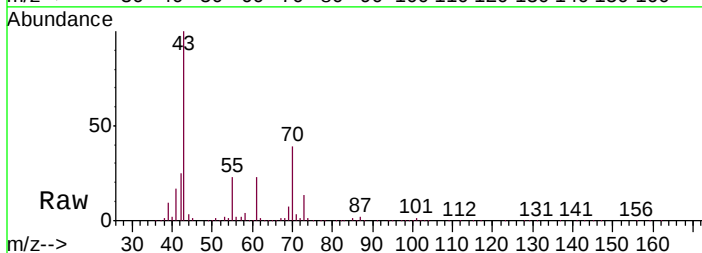
Manual Integrations
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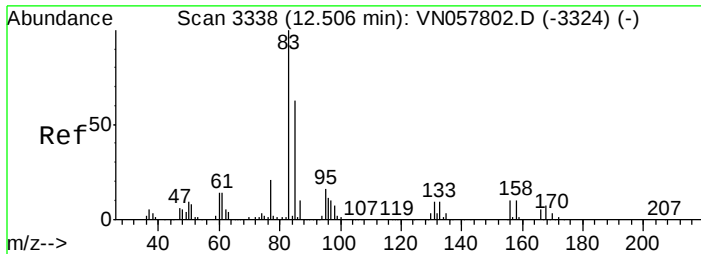
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#74
N-ethyl acetate
Concen: 48.657 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion: 43 Resp: 583401
Ion Ratio Lower Upper
43 100





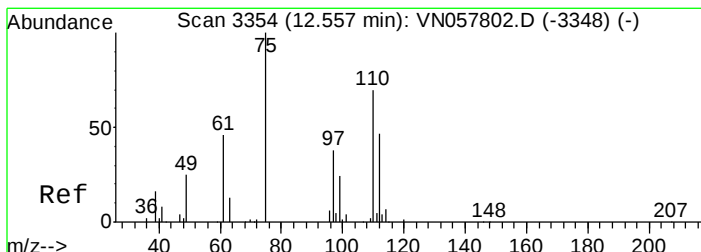
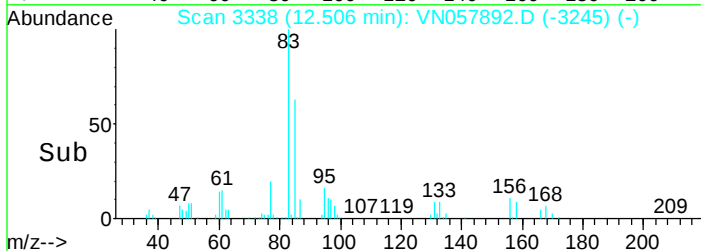
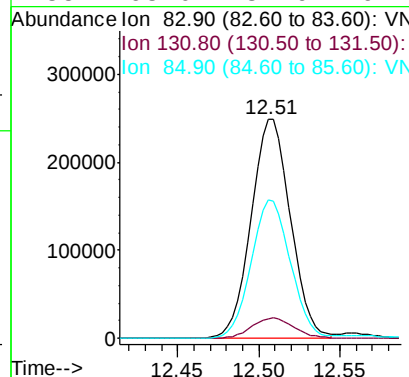
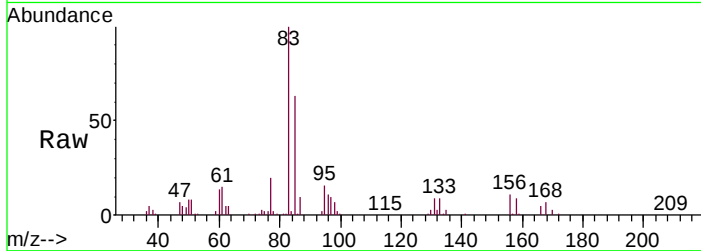
#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.325 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 83 Resp: 420447
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.8 14.3
 85 63.0 31.6 94.7

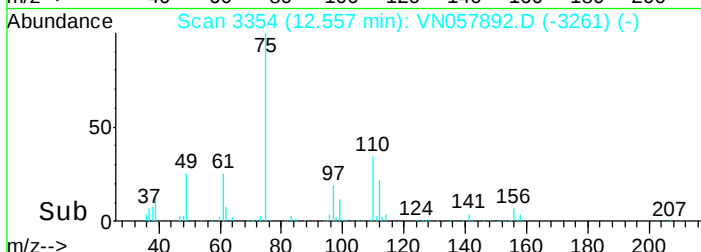
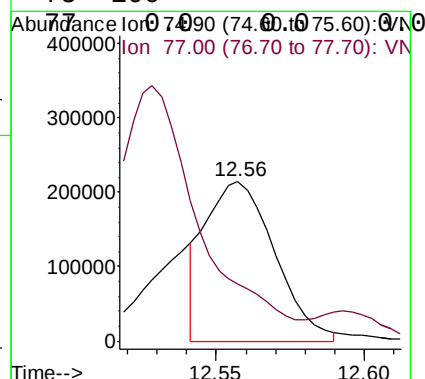
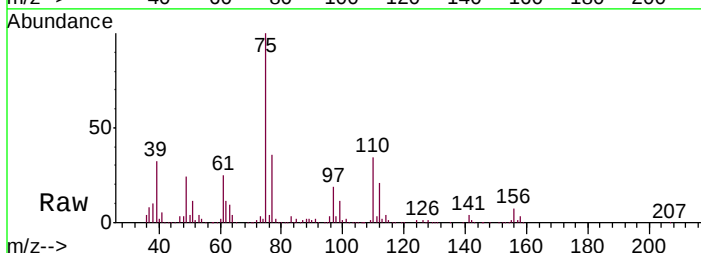
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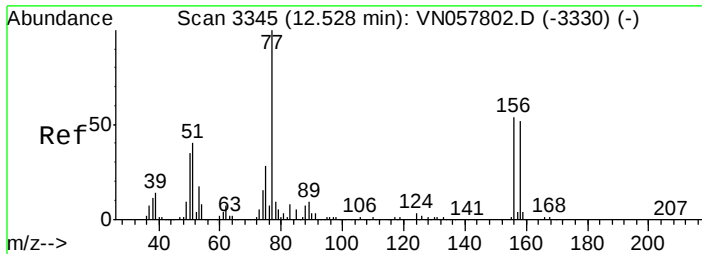
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 43.050 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion: 75 Resp: 345769
 Ion Ratio Lower Upper
 75 100





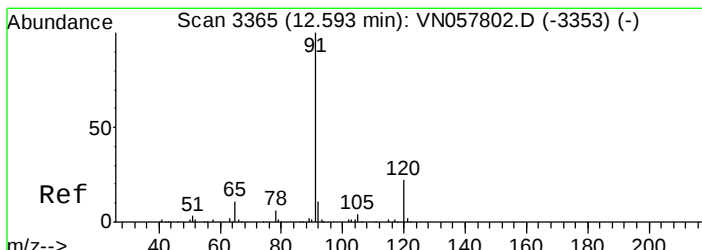
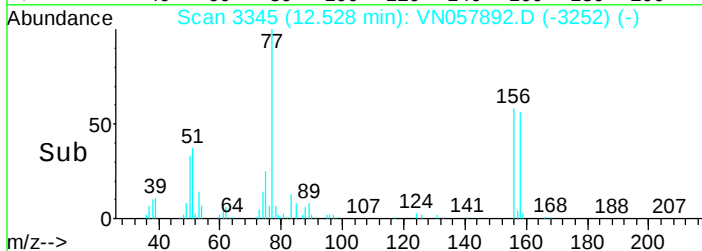
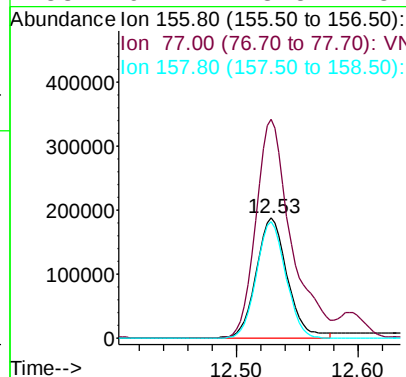
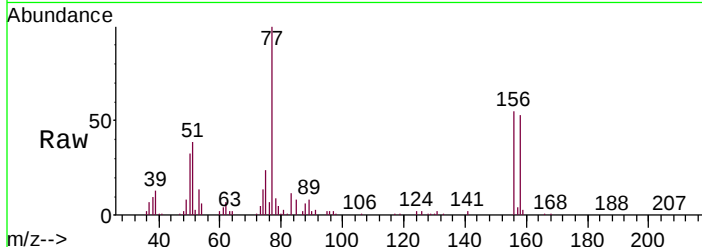
#77
 Bromobenzene
 Concen: 48.788 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:156 Resp: 335123
 Ion Ratio Lower Upper
 156 100
 77 206.6 113.7 341.1
 158 91.2 48.5 145.6

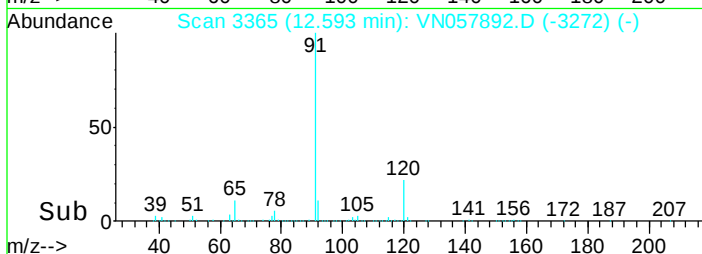
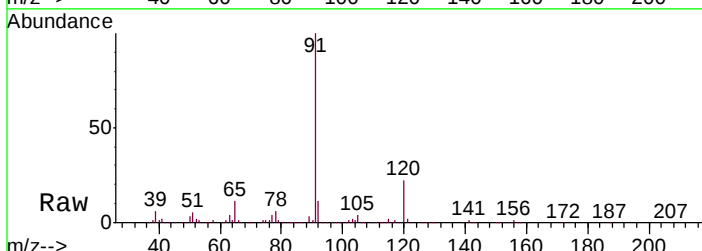
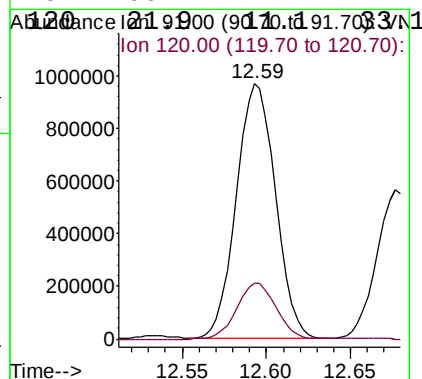
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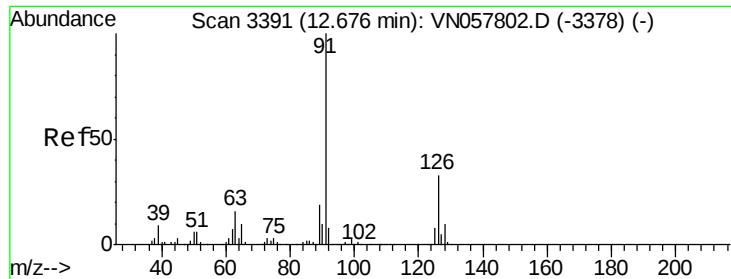
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#78
 n-propylbenzene
 Concen: 49.140 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion: 91 Resp: 1554619
 Ion Ratio Lower Upper
 91 100





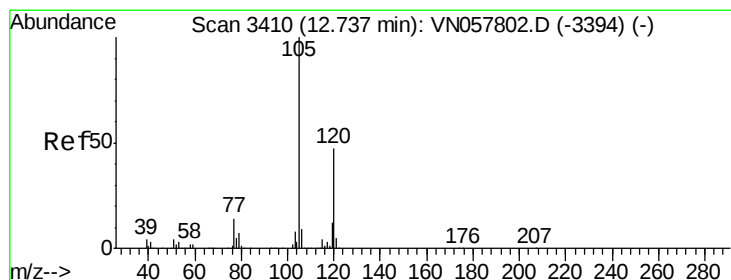
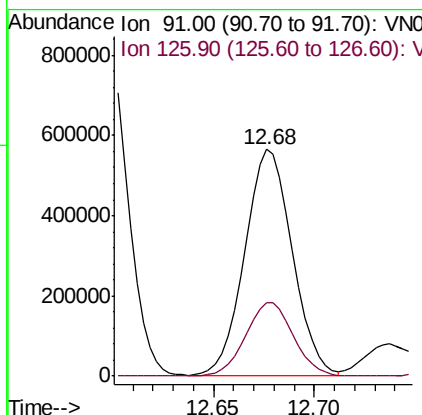
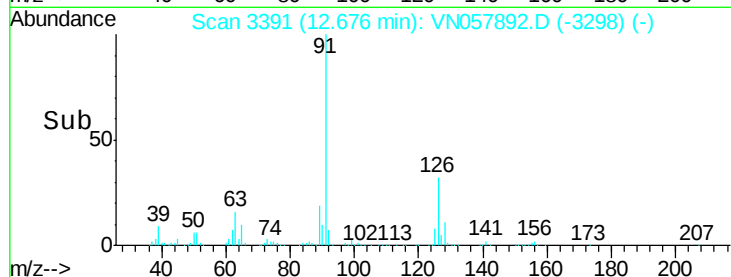
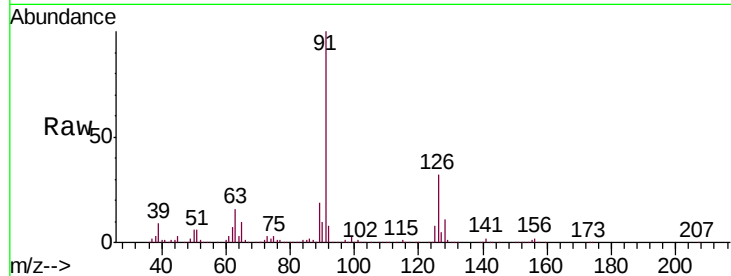
#79
 2-Chlorotoluene
 Concen: 46.357 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 926939
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.4 49.2

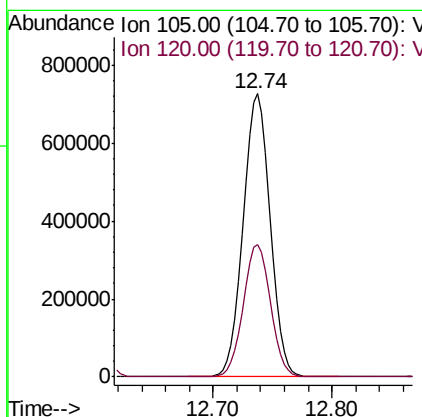
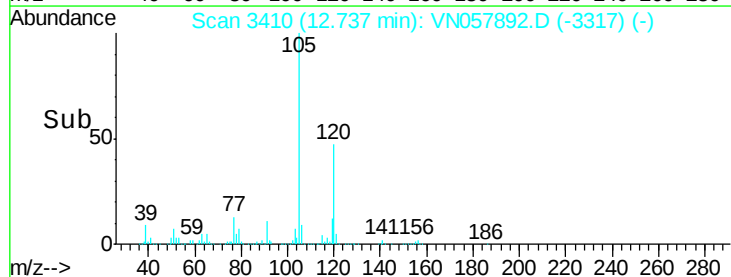
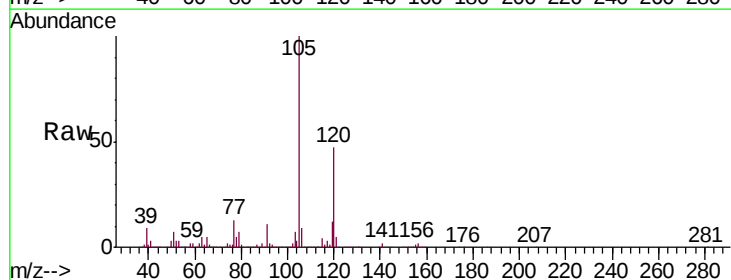
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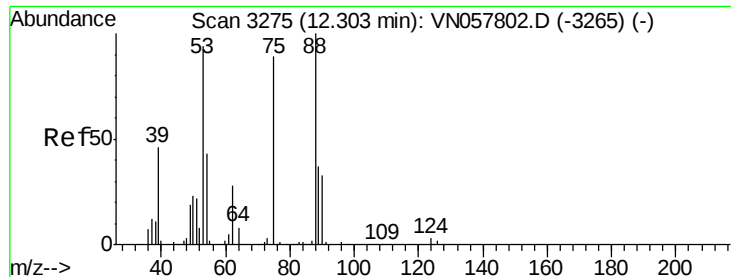
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.915 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion: 105 Resp: 1138671
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 42.595 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

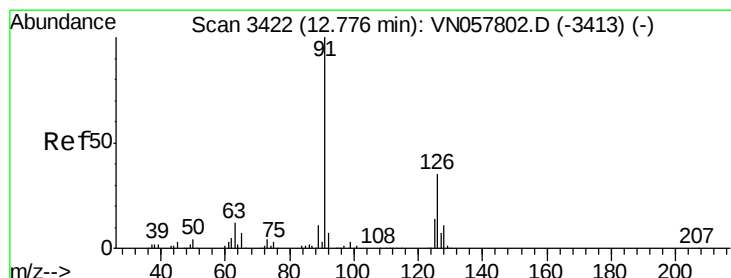
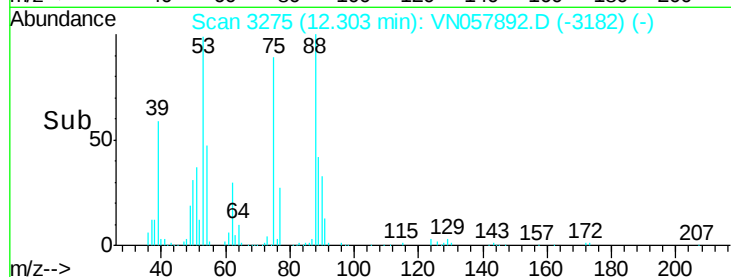
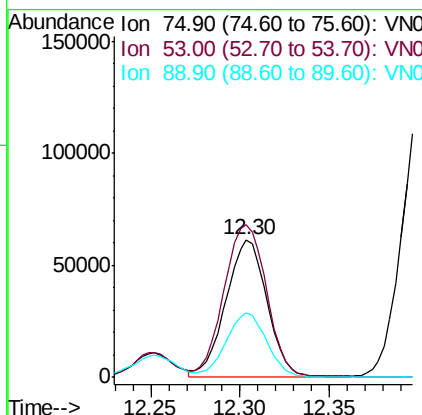
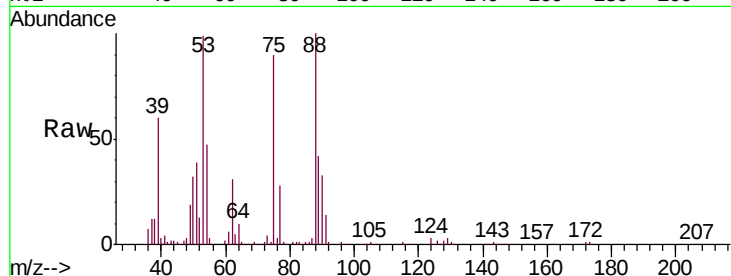
ClientSampled :

VSTDCCC050EC

Tgt Ion:	75	Resp:	97219
Ion	Ratio	Lower	Upper
75	100		
53	115.2	88.4	132.6
89	46.9	35.3	52.9

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#82

4-Chlorotoluene

Concen: 47.618 ug/l

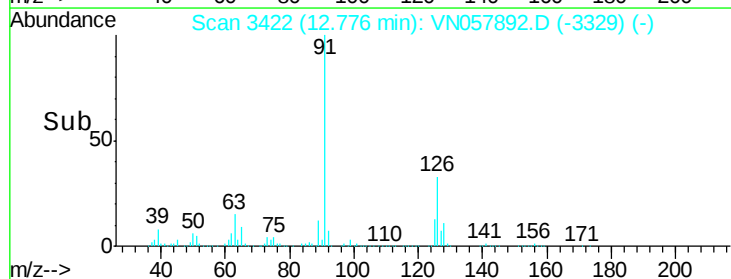
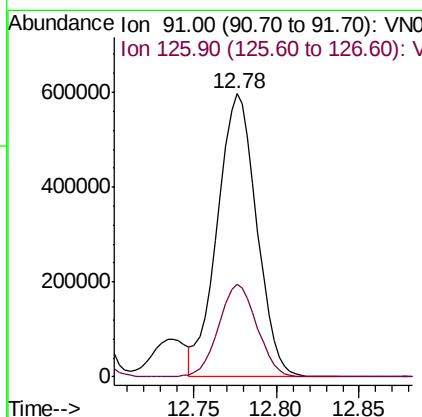
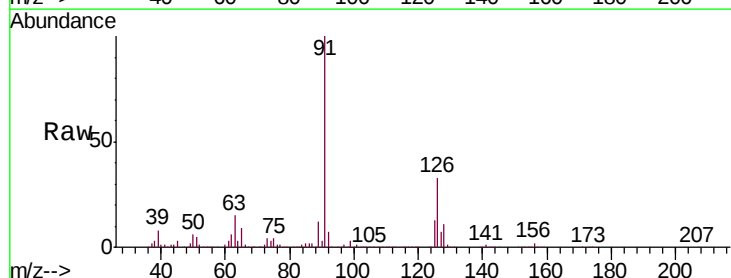
RT: 12.78 min Scan# 3422

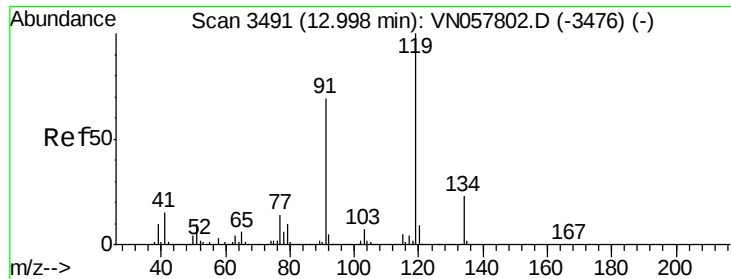
Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Tgt Ion:	91	Resp:	977782
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.0	48.0





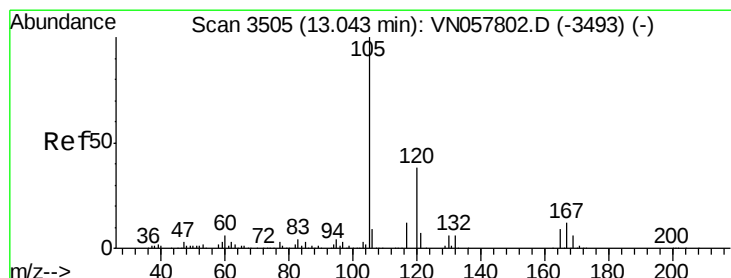
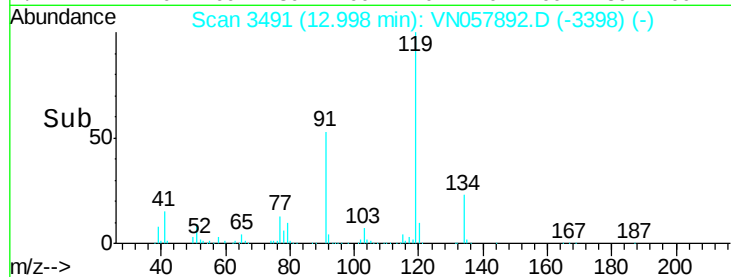
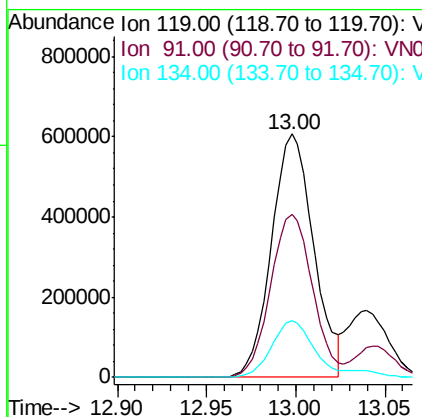
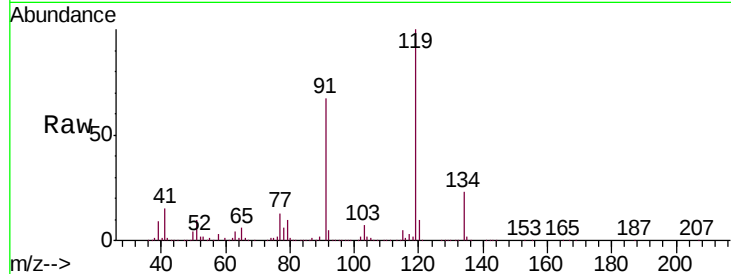
#83
 tert-Butylbenzene
 Concen: 48.306 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	999586		
91	66.9	33.6	100.8	
134	23.0	11.7	35.0	

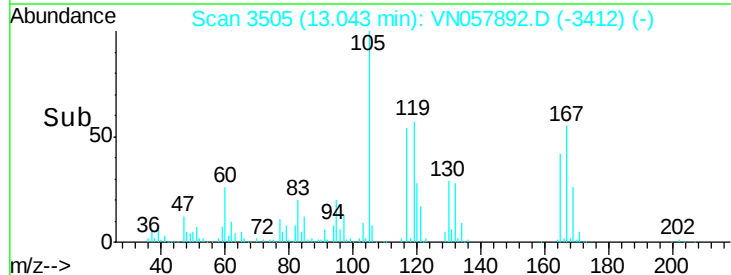
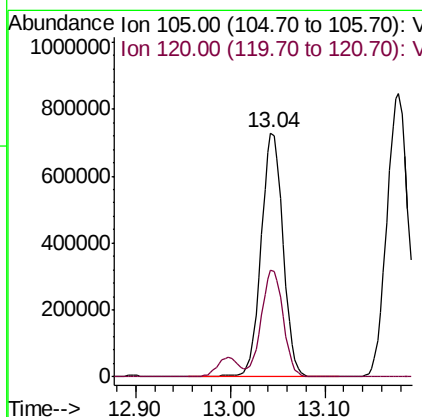
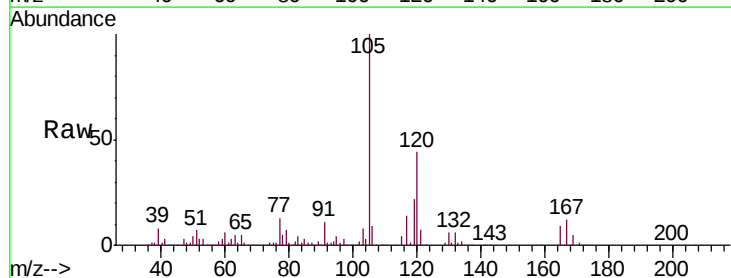
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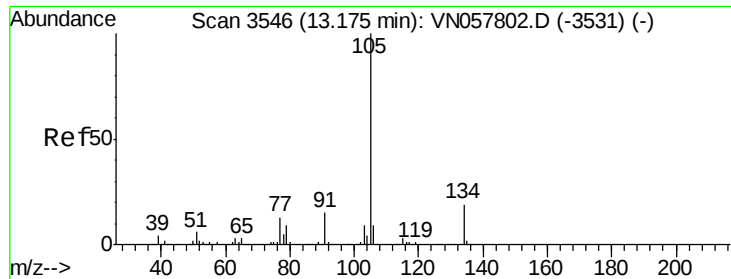
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.389 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1168510		
120	44.0	22.4	67.2	





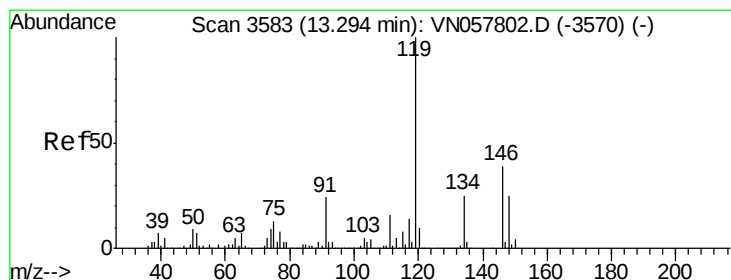
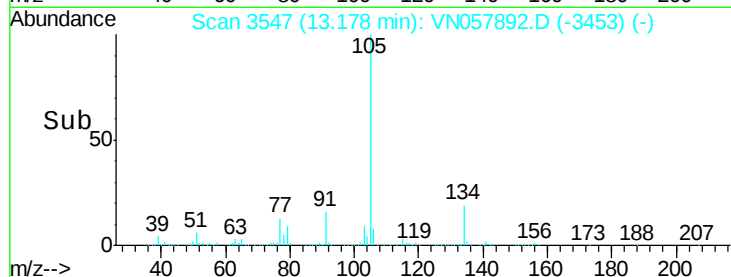
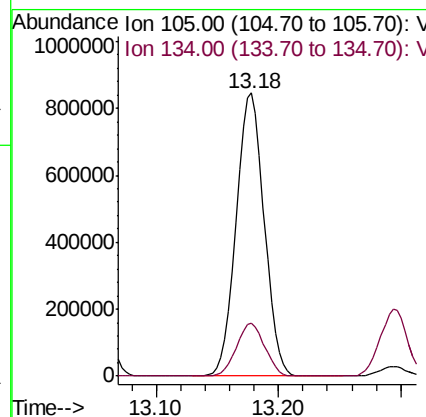
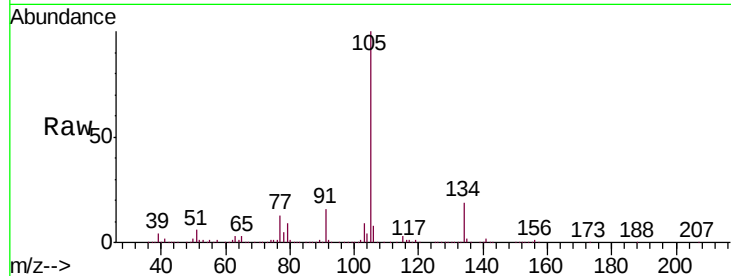
#85
 sec-Butylbenzene
 Concen: 49.214 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1349772
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.6

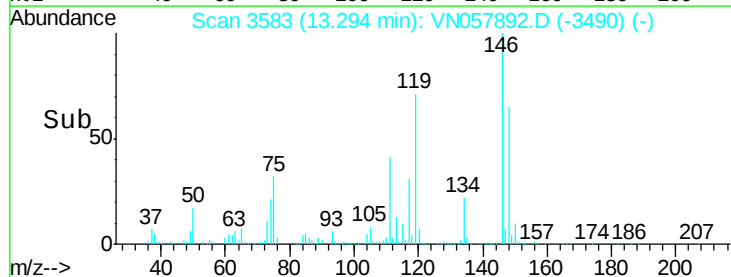
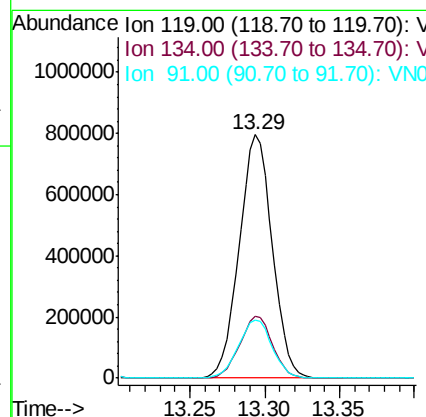
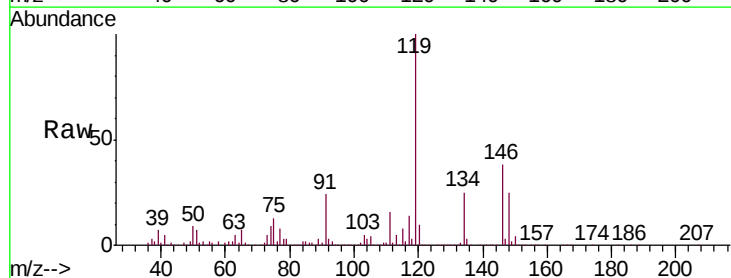
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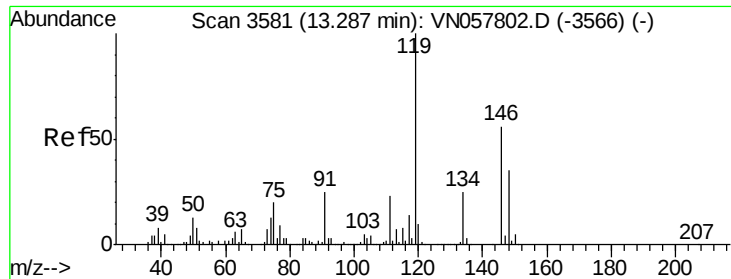
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#86
 p-Isopropyltoluene
 Concen: 50.343 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion:119 Resp: 1216580
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 24.3 12.3 36.8





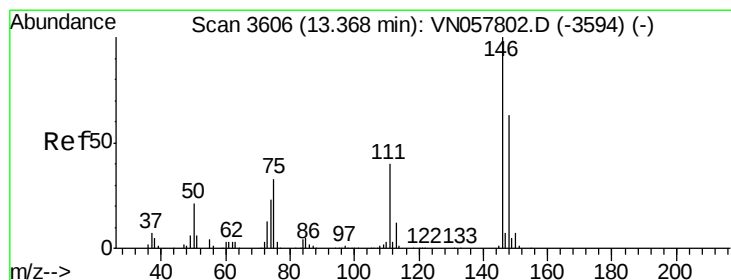
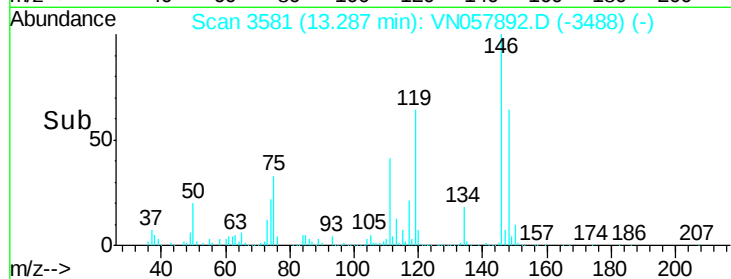
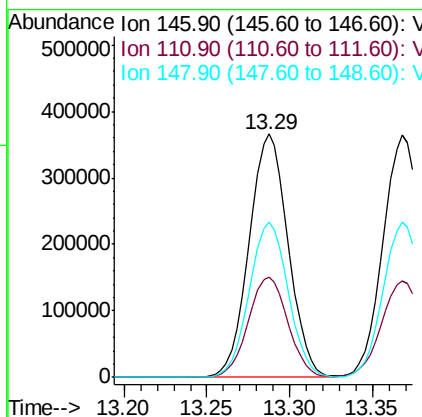
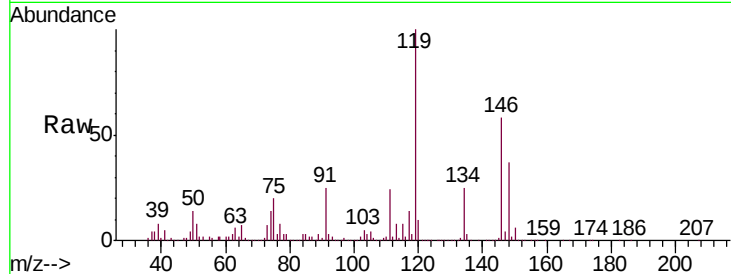
#87
 1,3-Dichlorobenzene
 Concen: 47.636 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	41.8	20.5	61.6
148	63.7	31.5	94.5

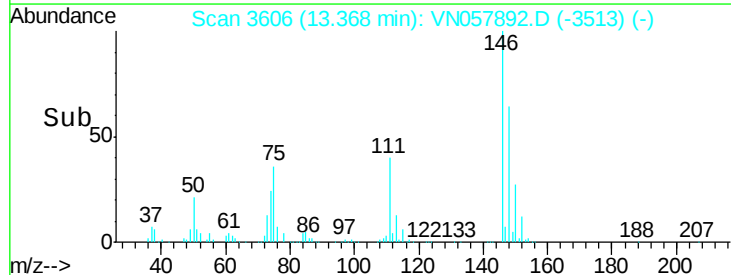
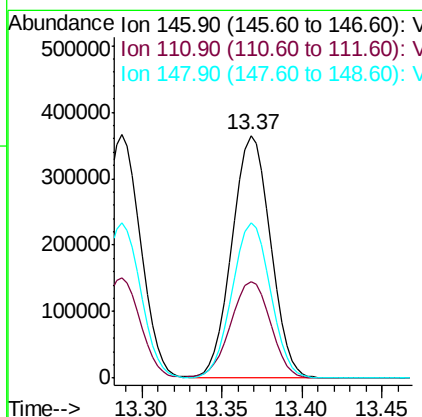
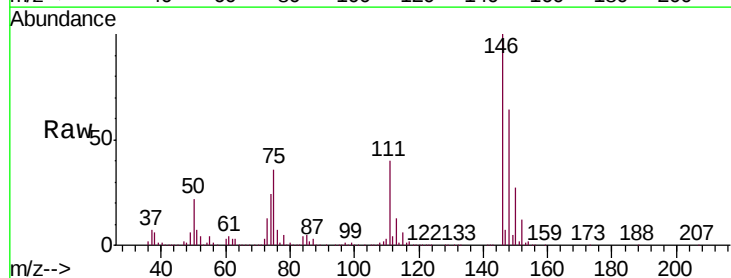
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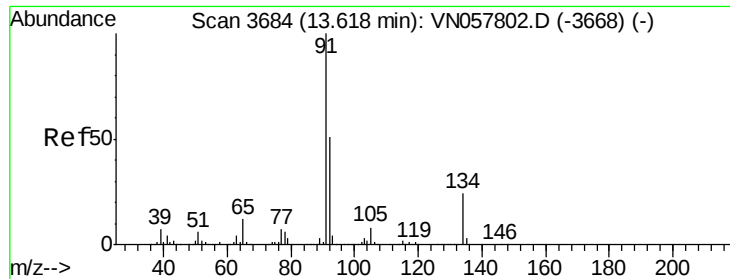
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#88
 1,4-Dichlorobenzene
 Concen: 46.743 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	41.2	20.4	61.2
148	63.7	31.8	95.4





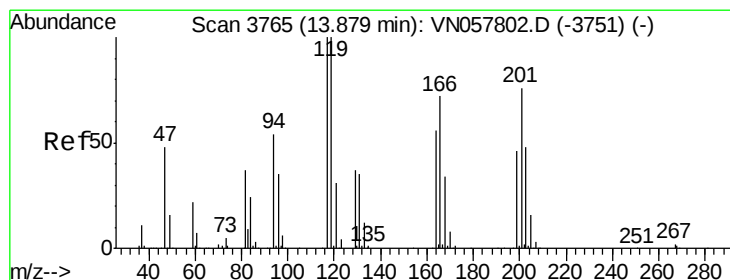
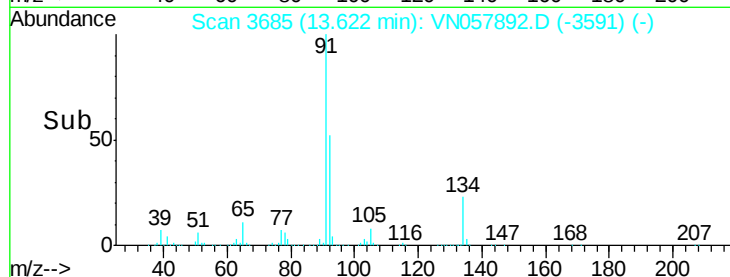
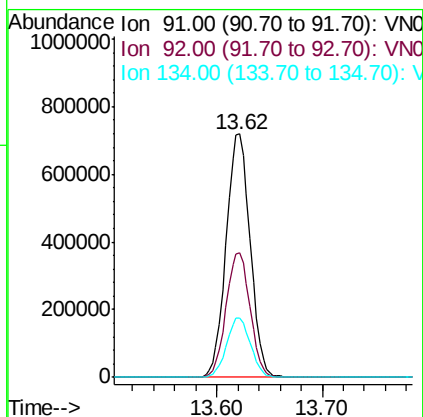
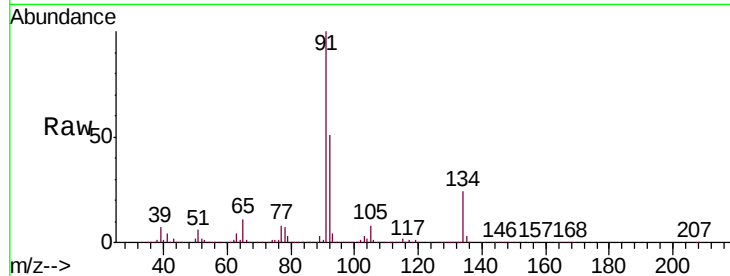
#89
n-Butylbenzene
Concen: 49.489 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1129390
Ion Ratio Lower Upper
91 100
92 51.3 25.7 77.0
134 24.3 11.9 35.7

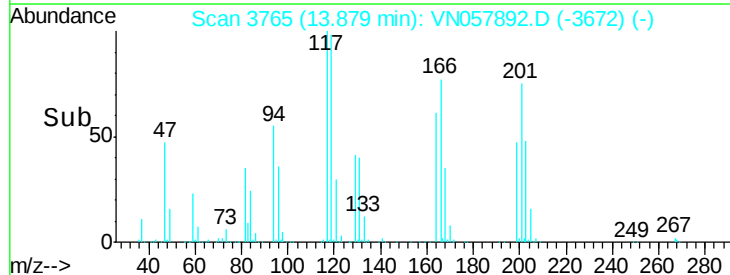
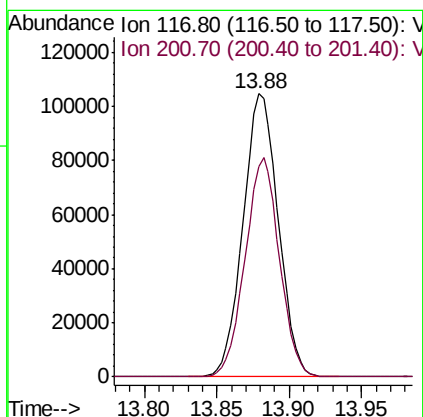
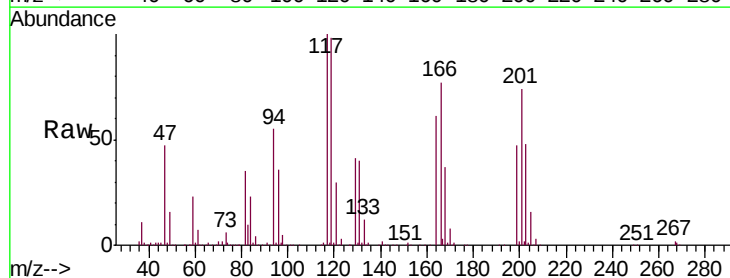
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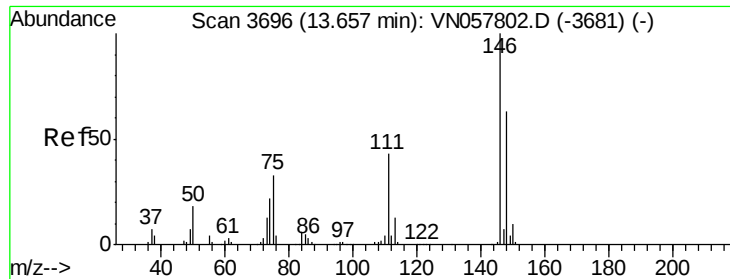
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#90
Hexachloroethane
Concen: 49.317 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057892.D
Acq: 11 Sep 2019 2:14

Tgt Ion: 117 Resp: 177242
Ion Ratio Lower Upper
117 100
201 75.3 37.5 112.7





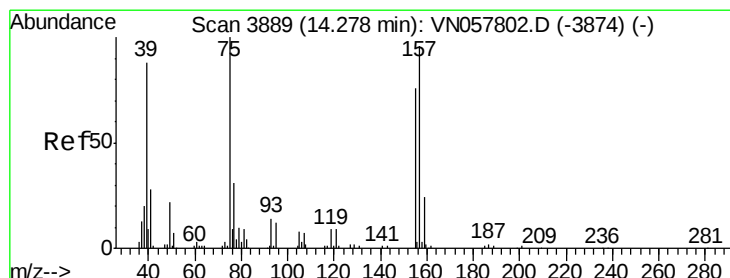
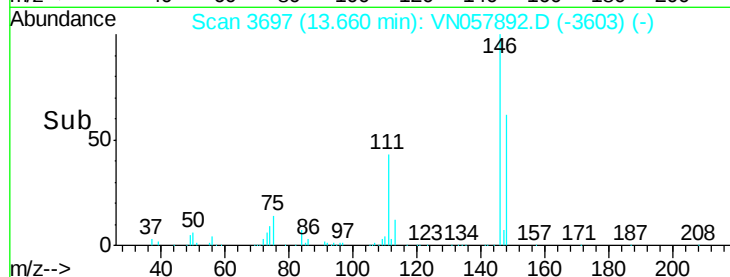
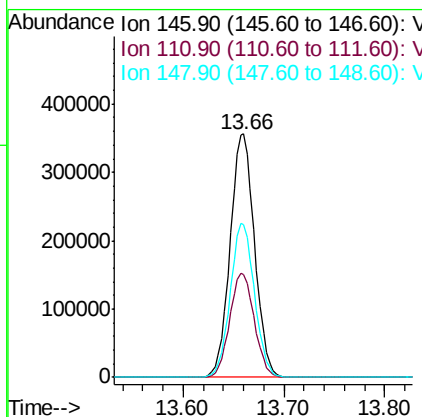
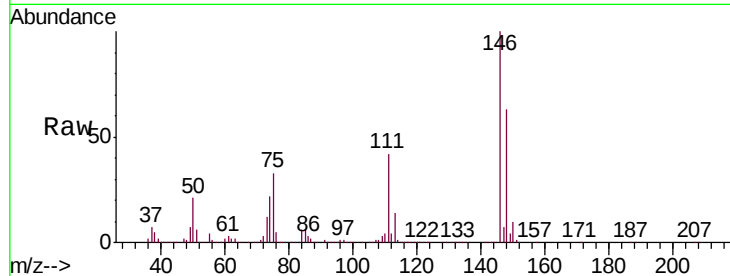
#91
 1,2-Dichlorobenzene
 Concen: 47.712 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	600978		
111	43.1	21.3	63.9	
148	62.7	31.4	94.3	

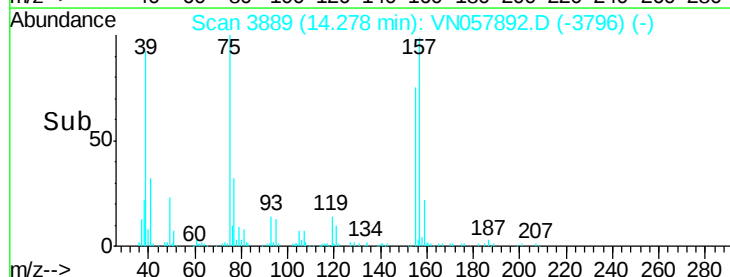
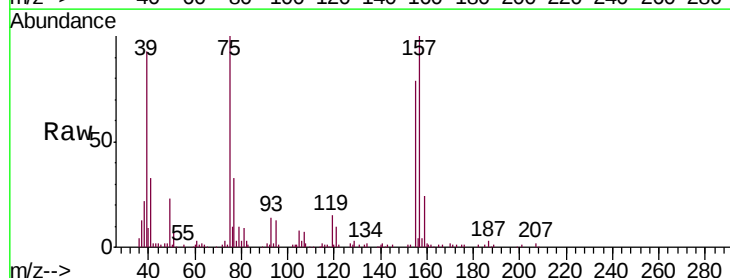
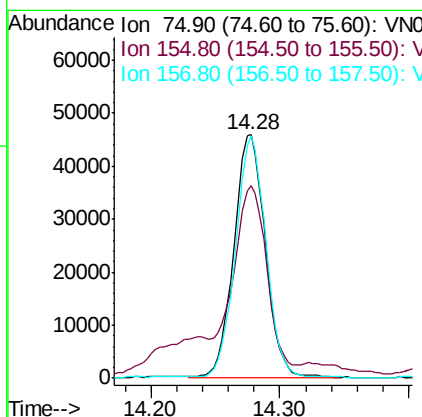
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.468 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77313		
155	75.9	37.3	111.8	
157	95.9	47.9	143.8	





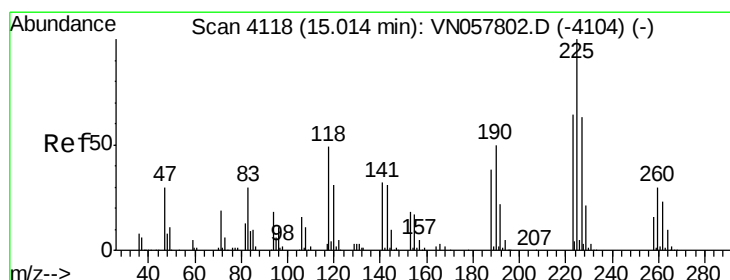
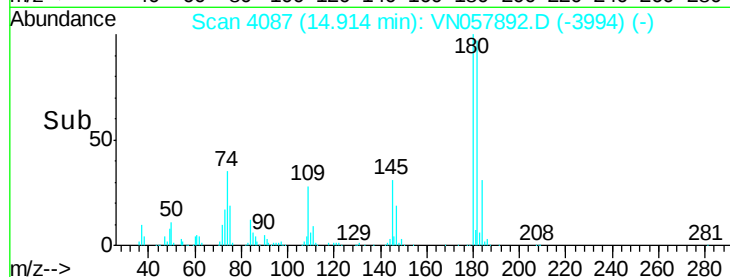
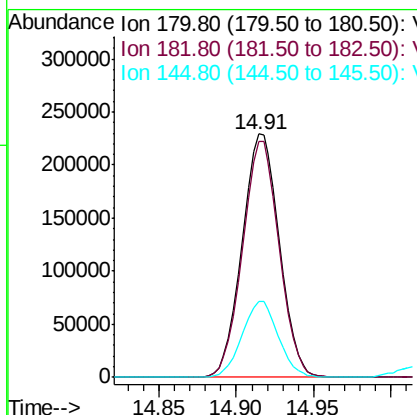
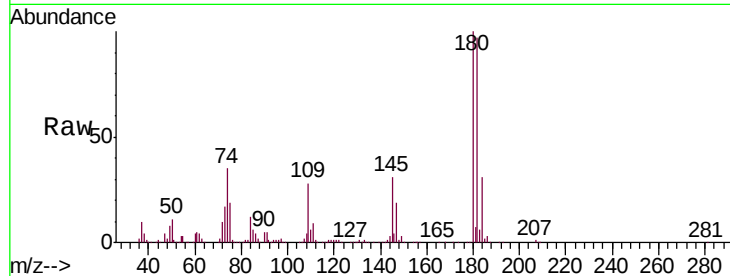
#93
 1,2,4-Trichlorobenzene
 Concen: 46.622 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	383838		
182	95.6	46.9	140.8	
145	30.5	14.9	44.7	

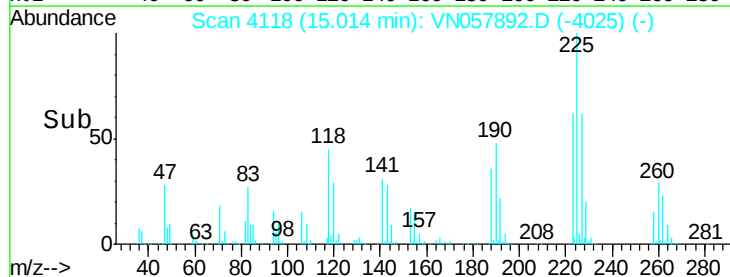
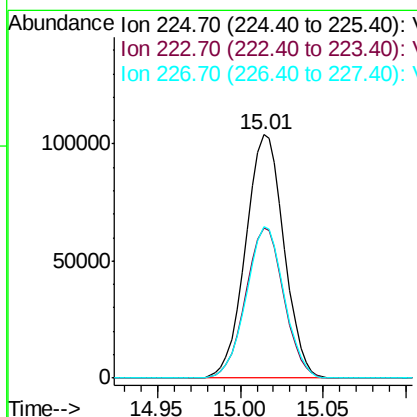
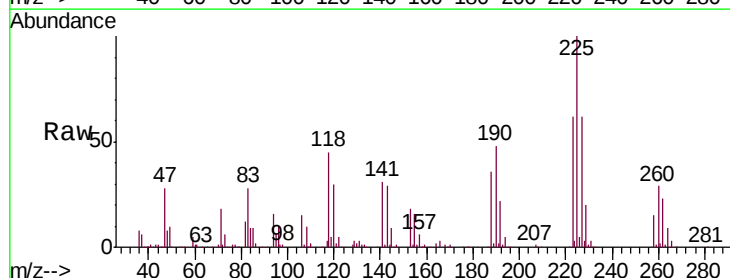
Manual Integrations
 APPROVED

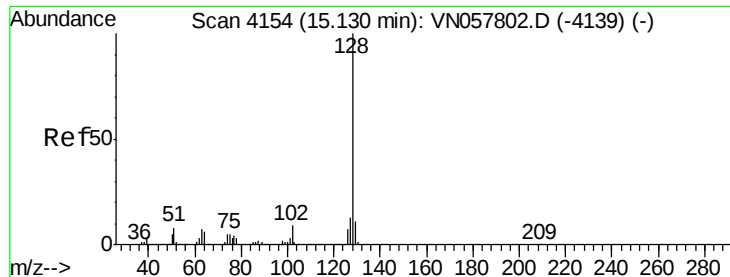
MMDadoda
 9/13/2019 7:06:24 AM



#94
 Hexachlorobutadiene
 Concen: 47.733 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057892.D
 Acq: 11 Sep 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166589		
223	61.6	32.4	97.2	
227	61.7	31.8	95.4	





#95

Naphthalene

Concen: 57.011 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 1180376

Ion Ratio Lower Upper

128 100

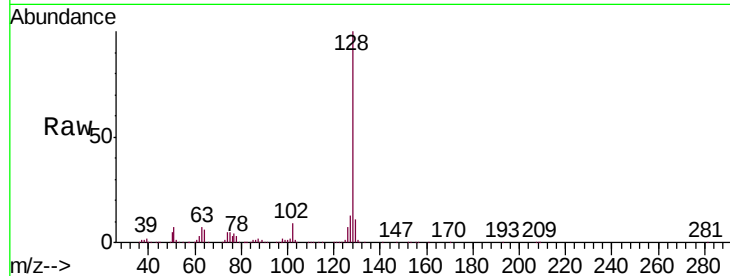
127 12.8 10.3 15.5

129 10.6 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

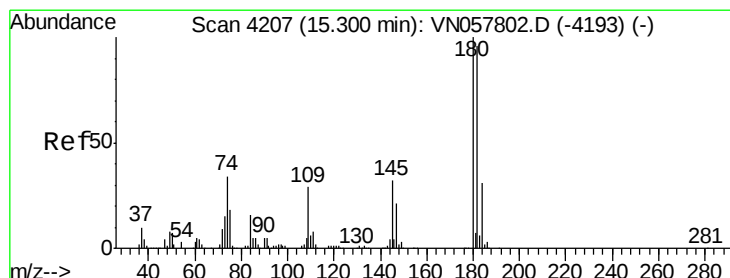
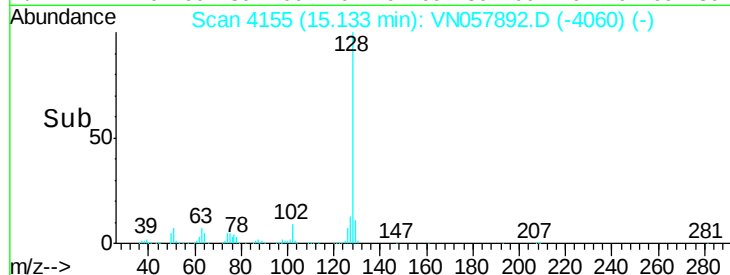
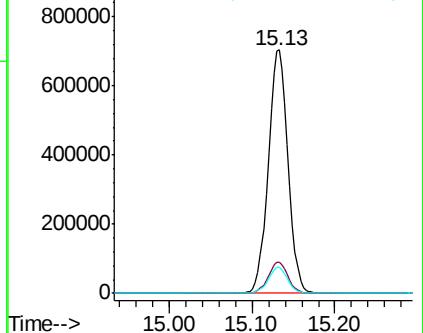
9/13/2019 7:06:24 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.798 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057892.D

Acq: 11 Sep 2019 2:14

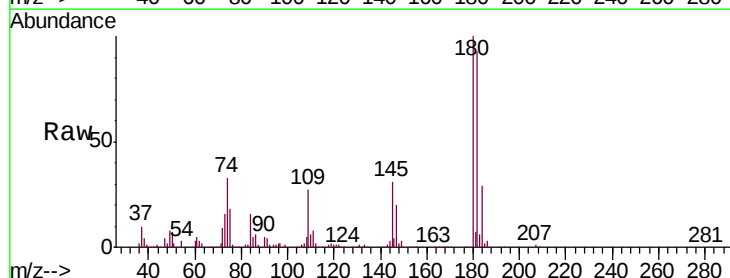
Tgt Ion:180 Resp: 365223

Ion Ratio Lower Upper

180 100

182 95.2 48.3 144.8

145 32.4 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

