

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057923.D
 Acq On : 11 Sep 2019 14:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:28 AM

Quant Time: Sep 12 02:08:47 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	343073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	573871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	543259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	332918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	363681	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	7.58	113	262710	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	10.09	98	1070782	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	384546	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	257704	54.316	ug/l	99
3) Chloromethane	2.03	50	223623	46.244	ug/l	98
4) Vinyl Chloride	2.16	62	230159	44.971	ug/l	100
5) Bromomethane	2.53	94	116862	41.287	ug/l	93
6) Chloroethane	2.67	64	144068	44.176	ug/l	98
7) Trichlorofluoromethane	2.99	101	289097	44.886	ug/l	98
8) Diethyl Ether	3.39	74	131063	48.789	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195563	48.133	ug/l	98
10) Methyl Iodide	3.93	142	187455	41.460	ug/l	99
11) Tert butyl alcohol	4.77	59	225025	267.565	ug/l	99
12) 1,1-Dichloroethene	3.71	96	169783	46.476	ug/l	98
13) Acrolein	3.59	56	142681	199.971	ug/l	99
14) Allyl chloride	4.30	41	309643	43.312	ug/l	99
15) Acrylonitrile	4.97	53	599036	259.143	ug/l	100
16) Acetone	3.80	43	514396	225.820	ug/l	97
17) Carbon Disulfide	4.03	76	250621	44.098	ug/l	99
18) Methyl Acetate	4.30	43	335919	55.308	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	778674	51.219	ug/l	99
20) Methylene Chloride	4.53	84	226432	52.271	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	184591	46.743	ug/l	96
22) Diisopropyl ether	5.93	45	853613	50.915	ug/l	99
23) Vinyl Acetate	5.88	43	3055157	257.131	ug/l	99
24) 1,1-Dichloroethane	5.83	63	449774	49.087	ug/l	99
25) 2-Butanone	6.82	43	820912	248.993	ug/l	99
26) 2,2-Dichloropropane	6.81	77	165527	22.827	ug/l	93
27) cis-1,2-Dichloroethene	6.81	96	254568	48.102	ug/l	95
28) Bromochloromethane	7.18	49	232851	50.867	ug/l	98
29) Tetrahydrofuran	7.20	42	521514	256.704	ug/l	99
30) Chloroform	7.36	83	467134	48.759	ug/l	98
31) Cyclohexane	7.64	56	309972	49.626	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	366539	48.240	ug/l	99
36) 1,1-Dichloropropene	7.78	75	297373	44.682	ug/l	100
37) Ethyl Acetate	6.91	43	333123	48.445	ug/l	100
38) Carbon Tetrachloride	7.76	117	289696	47.676	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	305218	43.625	ug/l	98
40) Benzene	8.03	78	949168	47.371	ug/l	97
41) Methacrylonitrile	7.16	41	145807	46.713	ug/l	92
42) 1,2-Dichloroethane	8.11	62	387669	48.377	ug/l	100
43) Isopropyl Acetate	8.15	43	578958	50.067	ug/l	100
44) Trichloroethene	8.83	130	231769	47.160	ug/l	95
45) 1,2-Dichloropropane	9.11	63	277892	47.662	ug/l	99
46) Dibromomethane	9.20	93	174571	49.548	ug/l	99
47) Bromodichloromethane	9.40	83	346186	49.205	ug/l	100
48) Methyl methacrylate	9.19	41	289976	49.435	ug/l	99
49) 1,4-Dioxane	9.19	88	101661	1024.847	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1837093	268.463	ug/l	100
52) Toluene	10.15	92	599389	47.495	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	333628	45.031	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	364119	44.514	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	261151	48.852	ug/l	98
56) Ethyl methacrylate	10.43	69	407374	50.605	ug/l	99
57) 1,3-Dichloropropane	10.71	76	456742	49.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	973775	256.829	ug/l	99
59) 2-Hexanone	10.75	43	1340545	261.361	ug/l	99
60) Dibromochloromethane	10.90	129	250359	50.435	ug/l	100
61) 1,2-Dibromoethane	11.00	107	251901	49.843	ug/l	100
64) Tetrachloroethene	10.63	164	206473	51.475	ug/l	97
65) Chlorobenzene	11.43	112	677736	47.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245825	49.829	ug/l	98
67) Ethyl Benzene	11.51	91	1234856	49.559	ug/l	100
68) m/p-Xylenes	11.62	106	909094	99.605	ug/l	98
69) o-Xylene	11.95	106	454579	50.099	ug/l	99
70) Styrene	11.97	104	795603	50.950	ug/l	100
71) Bromoform	12.13	173	157467	51.196	ug/l #	99
73) Isopropylbenzene	12.25	105	1248243	48.319	ug/l	99
74) N-amyl acetate	12.07	43	565126	50.266	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	411830	47.347	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	341961m	45.406	ug/l	
77) Bromobenzene	12.53	156	295547	45.887	ug/l	97
78) n-propylbenzene	12.59	91	1461401	49.264	ug/l	100
79) 2-Chlorotoluene	12.68	91	872255	46.523	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1071381	49.084	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	79947	37.356	ug/l	93
82) 4-Chlorotoluene	12.78	91	920107	47.788	ug/l	99
83) tert-Butylbenzene	13.00	119	925123	47.680	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1099903	49.580	ug/l	98
85) sec-Butylbenzene	13.18	105	1262846	49.106	ug/l	100
86) p-Isopropyltoluene	13.29	119	1132728	49.990	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	568520	48.089	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	559961	46.663	ug/l	100
89) n-Butylbenzene	13.62	91	1021957	47.758	ug/l	99
90) Hexachloroethane	13.88	117	167309	49.648	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	559573	47.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75976	52.892	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	347337	44.993	ug/l	98
94) Hexachlorobutadiene	15.01	225	148021	45.233	ug/l	98
95) Naphthalene	15.13	128	1083312	55.767	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	332170	49.302	ug/l	100

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

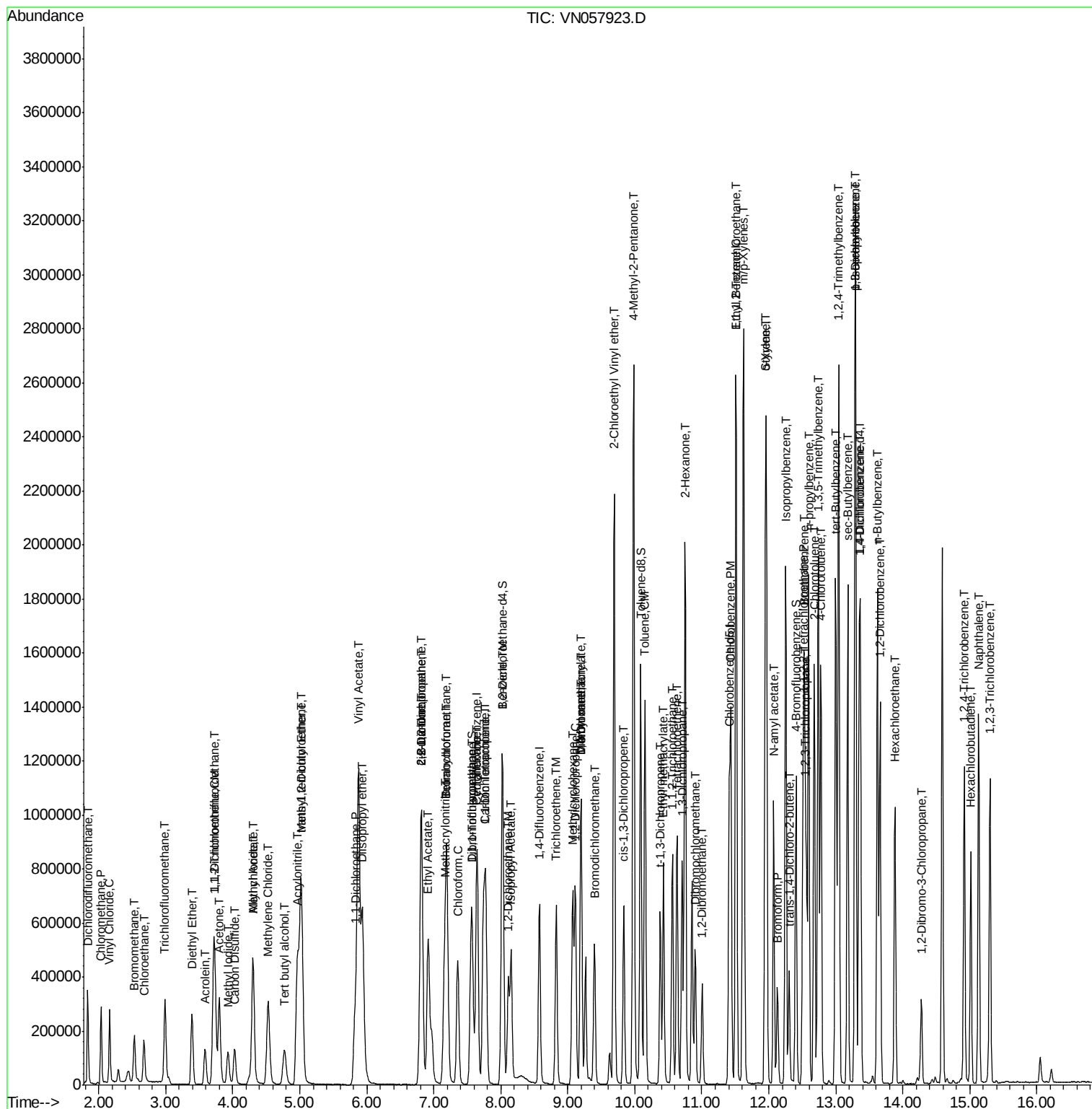
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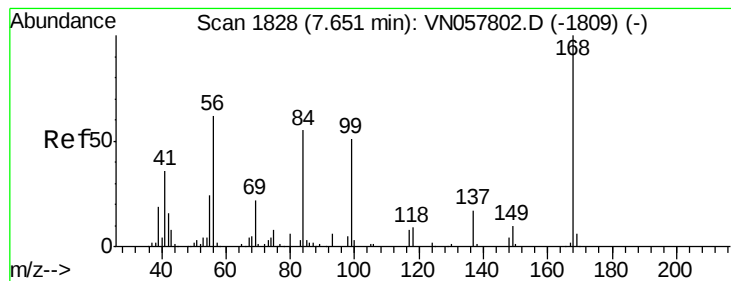
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 343073

Ion Ratio Lower Upper

168 100

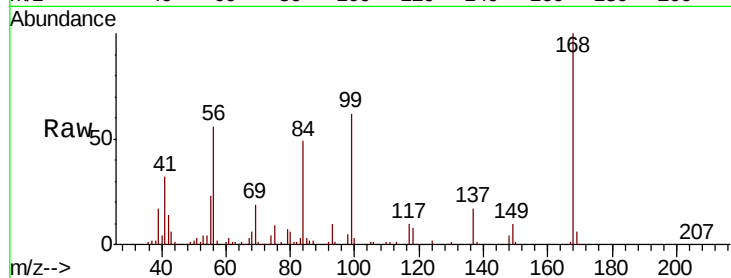
99 61.6 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

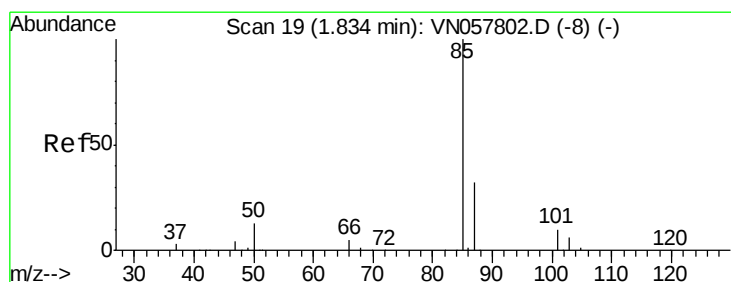
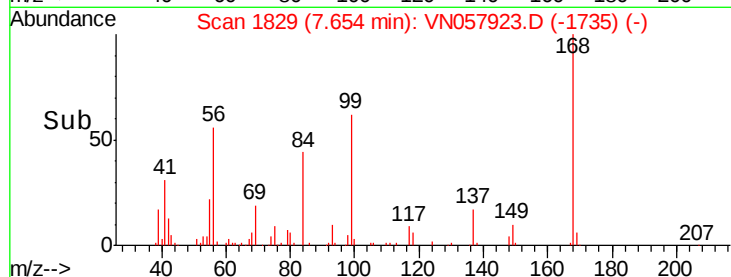
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 54.316 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057923.D

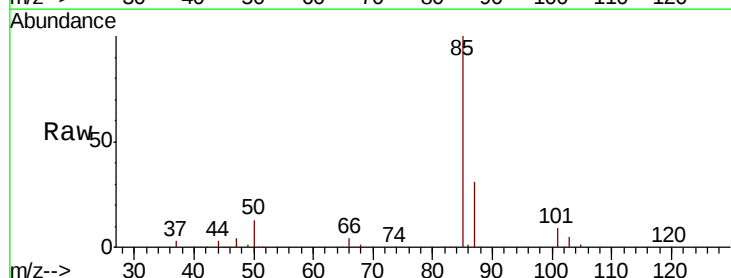
Acq: 11 Sep 2019 14:18

Tgt Ion: 85 Resp: 257704

Ion Ratio Lower Upper

85 100

87 31.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

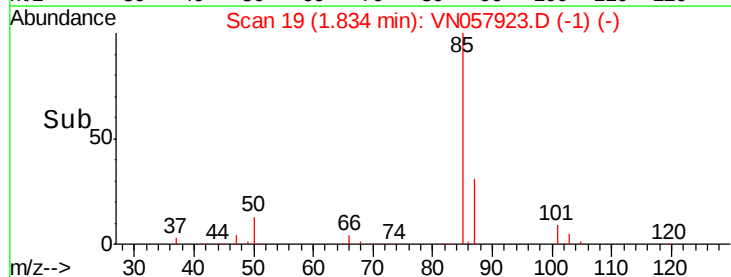
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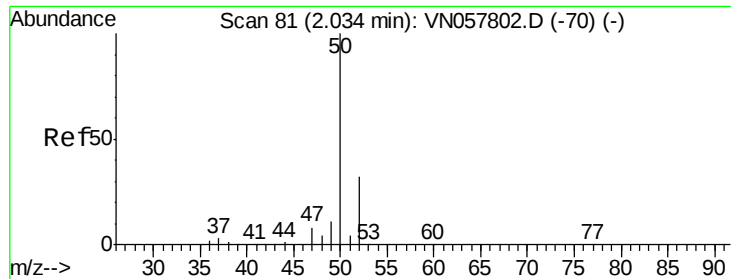
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 46.244 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 223623

Ion Ratio Lower Upper

50 100

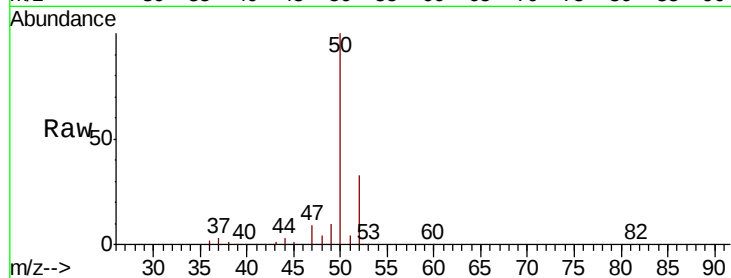
52 33.3 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

200000

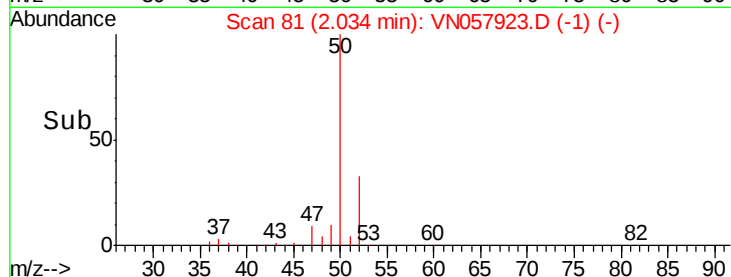
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100000

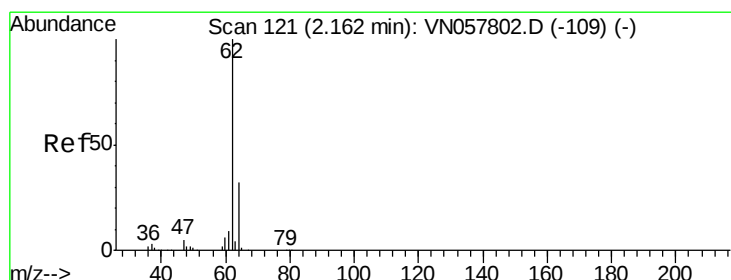
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0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 44.971 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057923.D

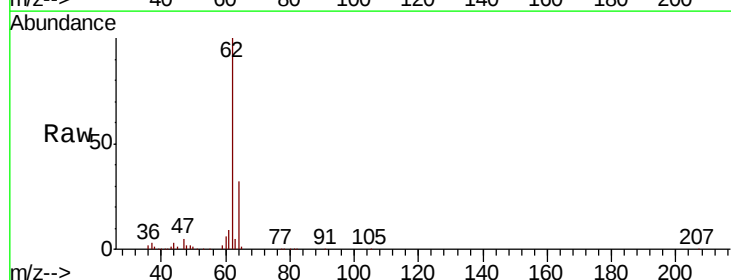
Acq: 11 Sep 2019 14:18

Tgt Ion: 62 Resp: 230159

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

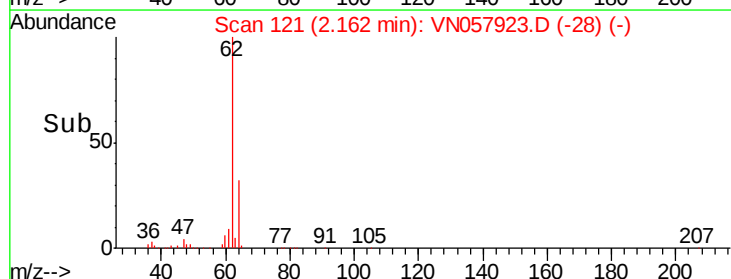
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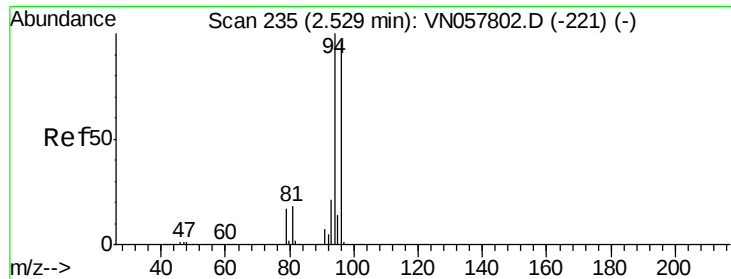
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0

Time-->



Time-->



#5

Bromomethane

Concen: 41.287 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 116862

Ion Ratio Lower Upper

94 100

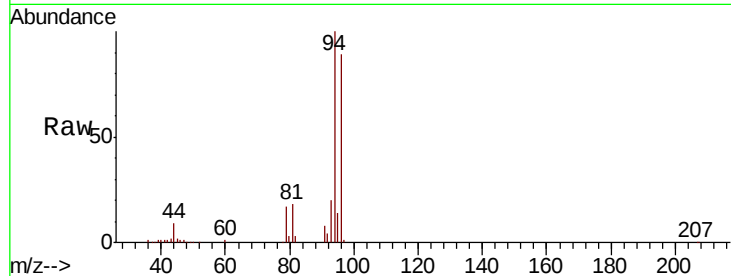
96 89.3 77.0 115.4

Manual Integrations

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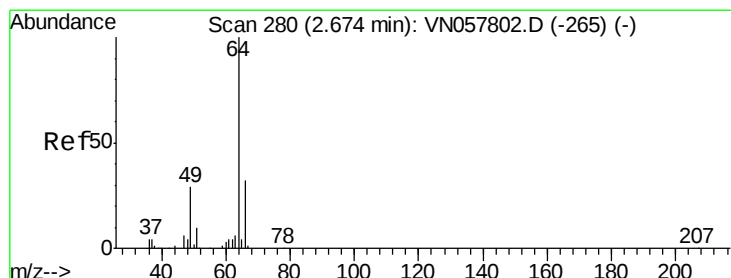
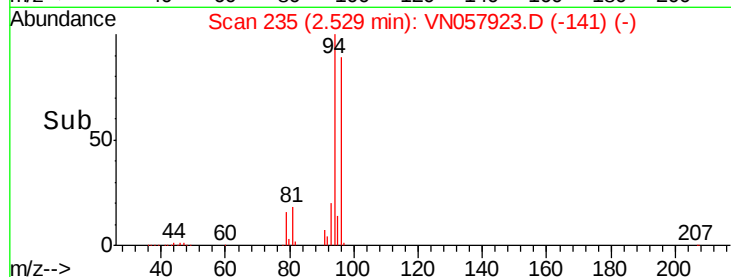
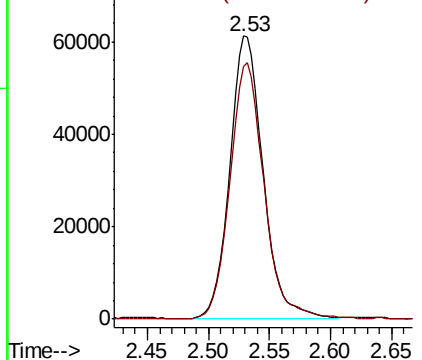
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.176 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057923.D

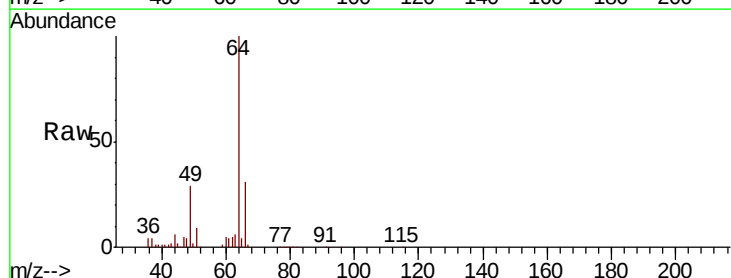
Acq: 11 Sep 2019 14:18

Tgt Ion: 64 Resp: 144068

Ion Ratio Lower Upper

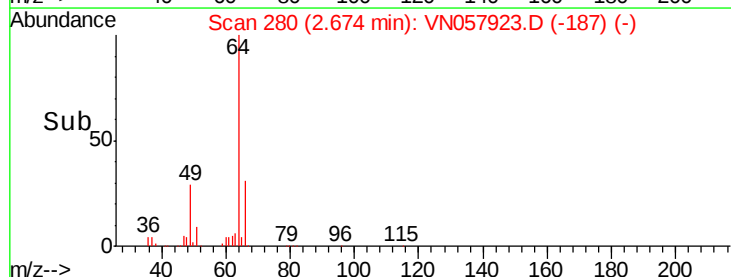
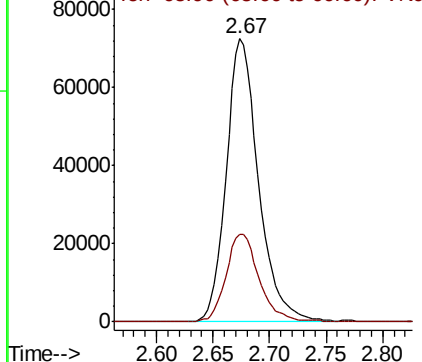
64 100

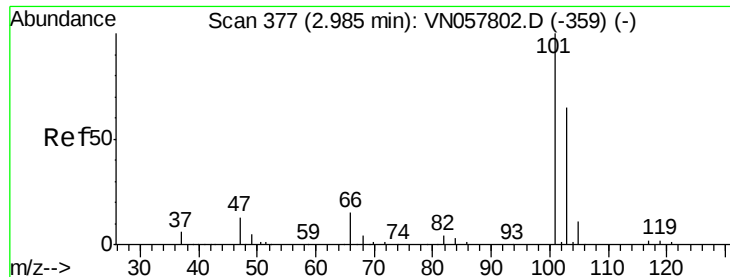
66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

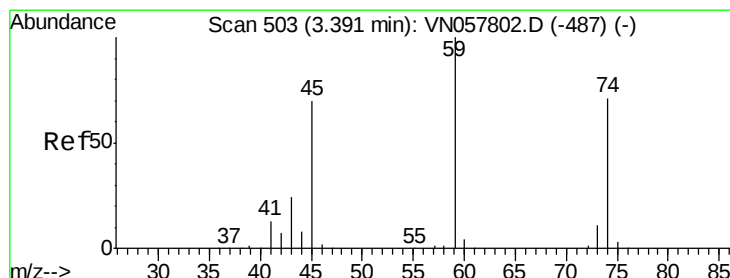
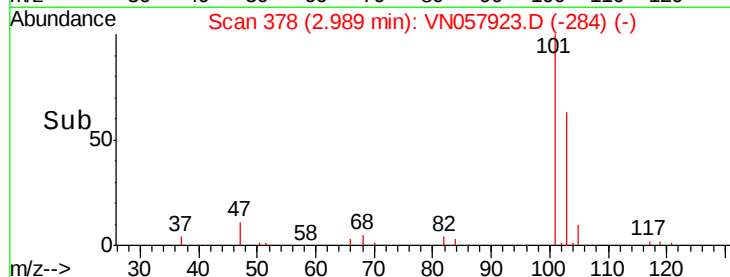
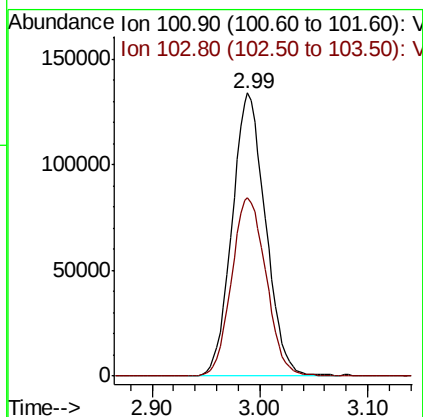
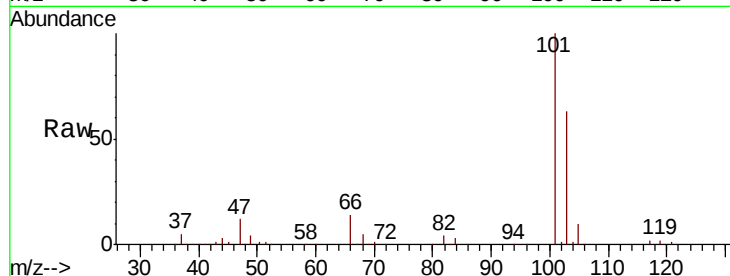
Trichlorofluoromethane
 Concen: 44.886 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Instrument :
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 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		289097		
103	63.0	51.9	77.9		

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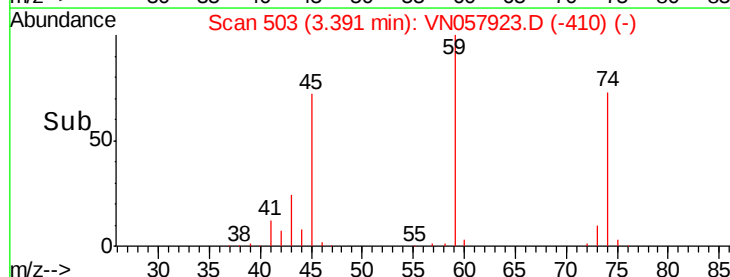
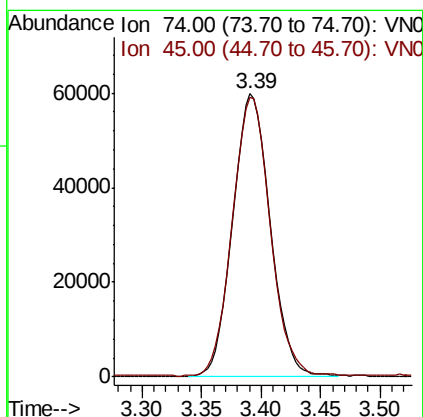
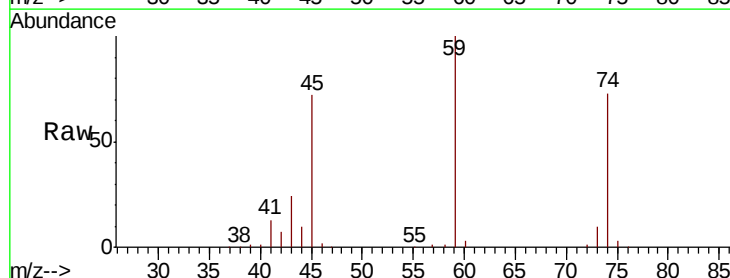
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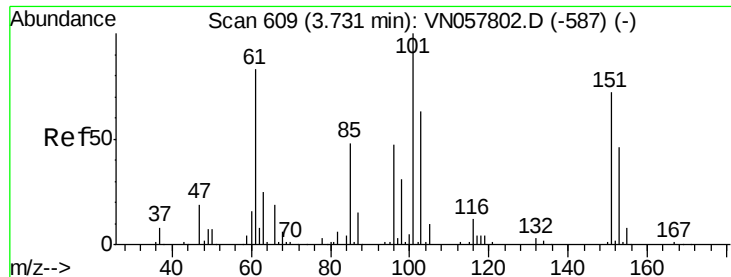


#8

Diethyl Ether
 Concen: 48.789 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		131063		
45	99.2	50.3	151.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.133 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

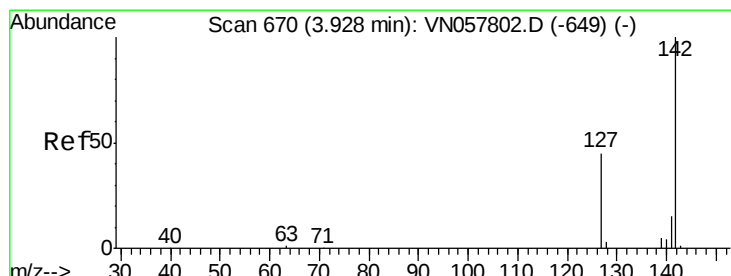
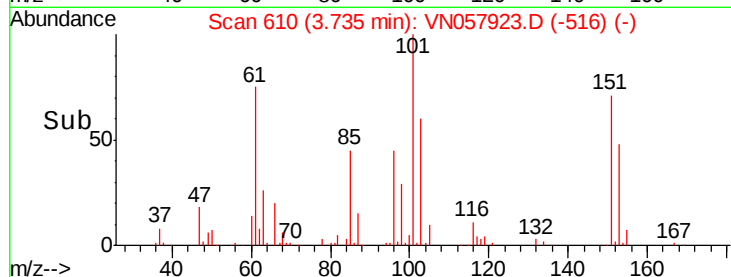
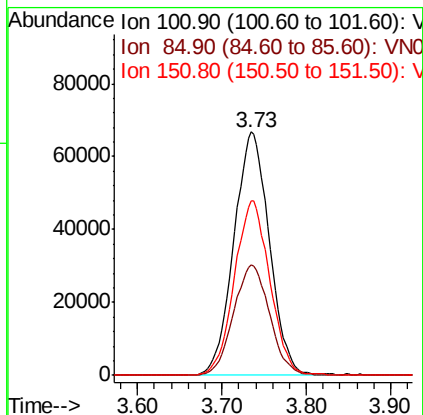
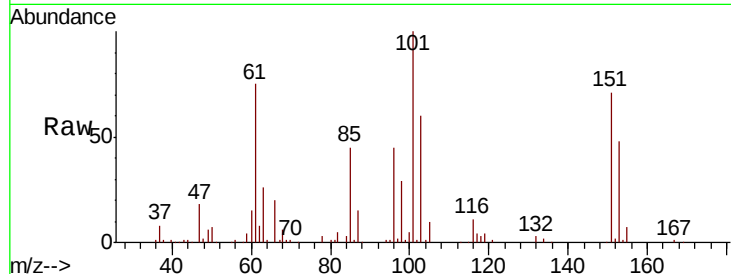
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	195563
Ion Ratio	Lower	Upper	
101	100		
85	46.0	38.1	57.1
151	71.6	58.4	87.6

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#10

Methyl Iodide

Concen: 41.460 ug/l

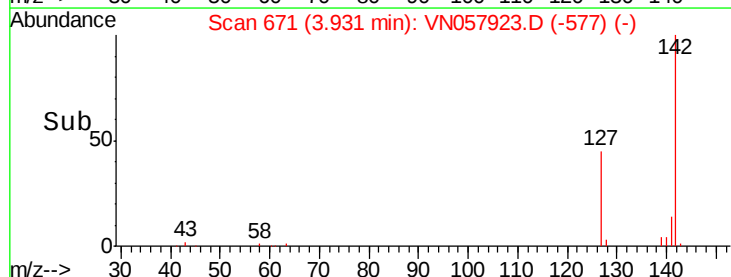
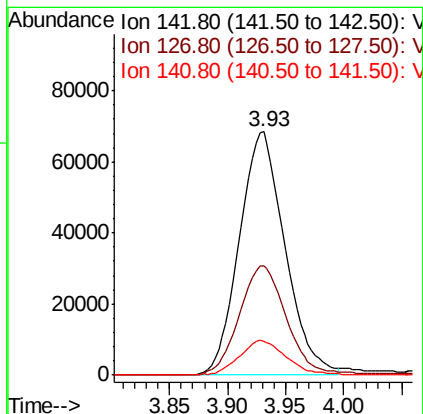
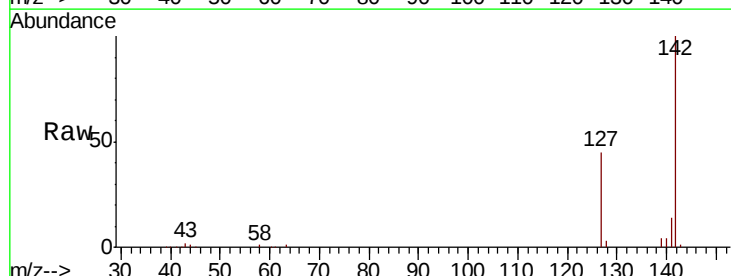
RT: 3.93 min Scan# 671

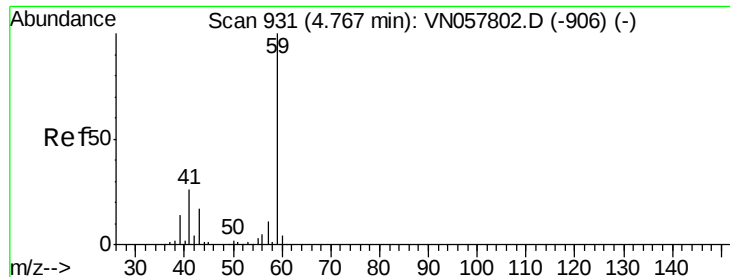
Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Tgt Ion:	142	Resp:	187455
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.7	55.1
141	14.7	11.4	17.0





#11

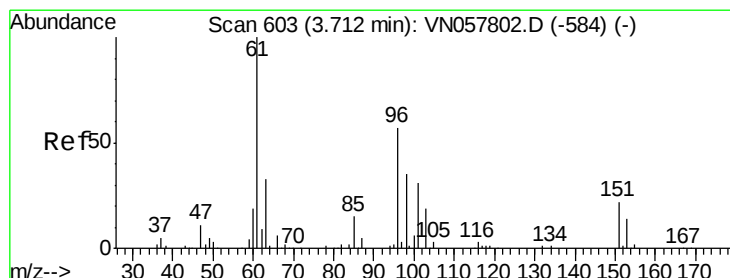
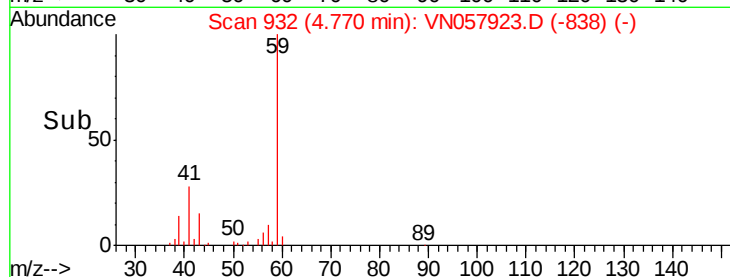
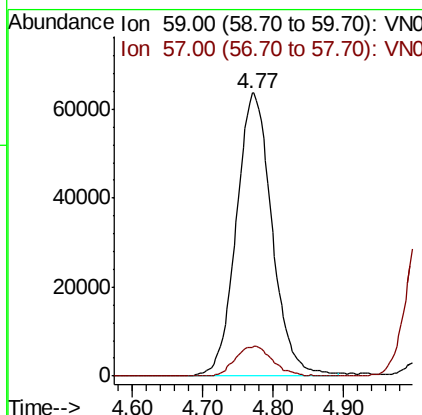
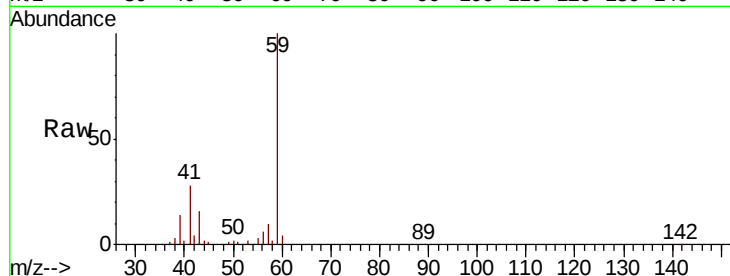
Tert butyl alcohol
Concen: 267.565 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	225025		
57	10.9		8.4	12.6

Manual Integrations
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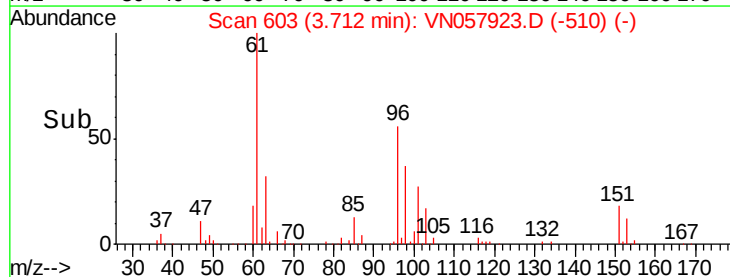
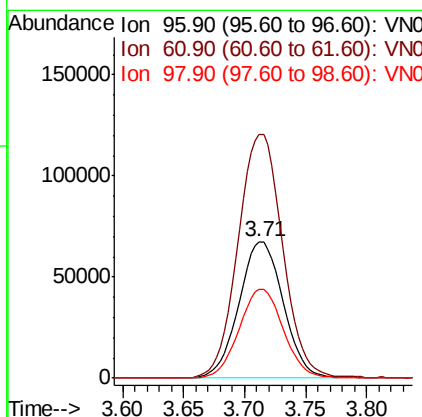
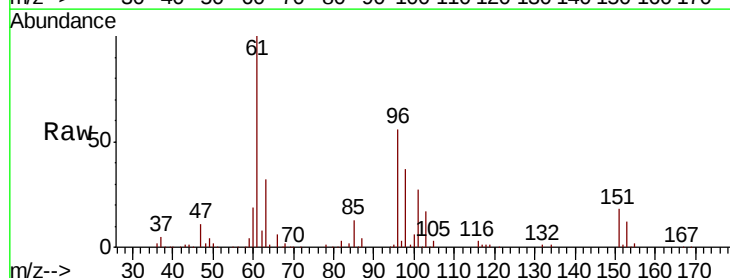
MMDadoda
9/13/2019 7:06:28 AM

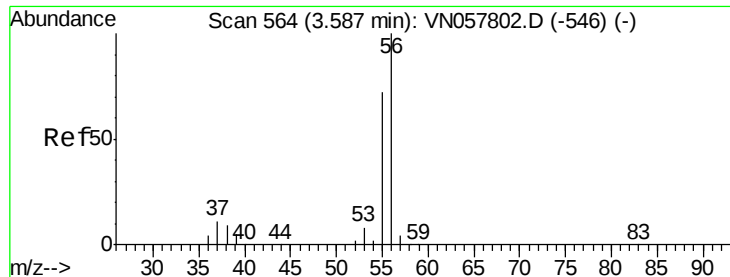


#12

1,1-Dichloroethene
Concen: 46.476 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	169783		
61	178.1		141.2	211.8
98	65.5		49.9	74.9





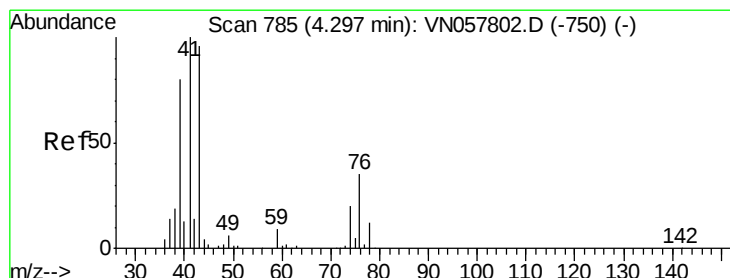
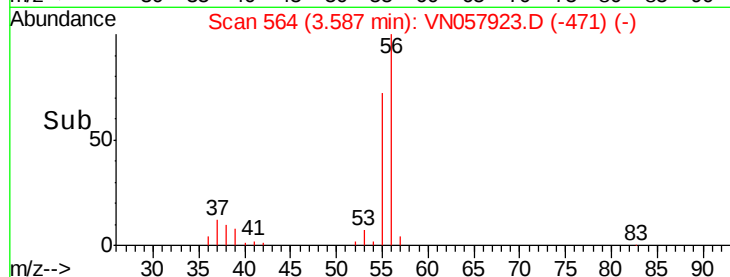
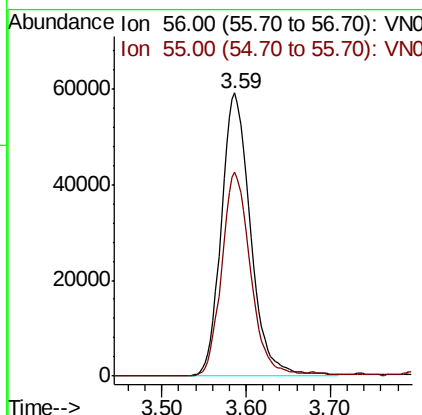
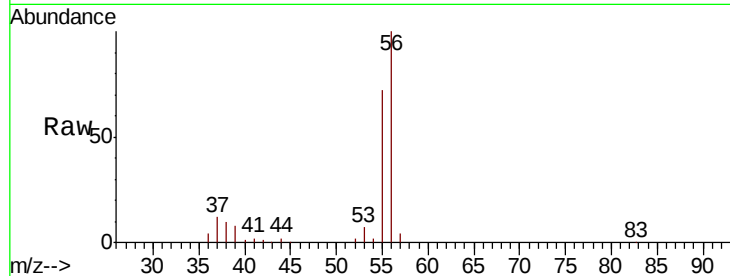
#13
Acrolein
Concen: 199.971 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	142681
Ion Ratio	100	Lower	Upper
56	100		
55	70.9	57.3	85.9

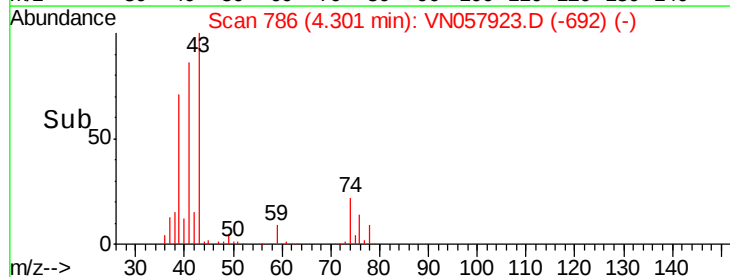
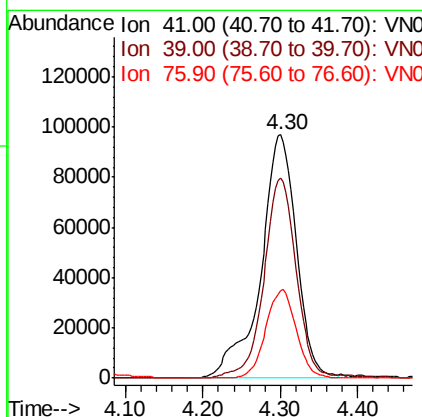
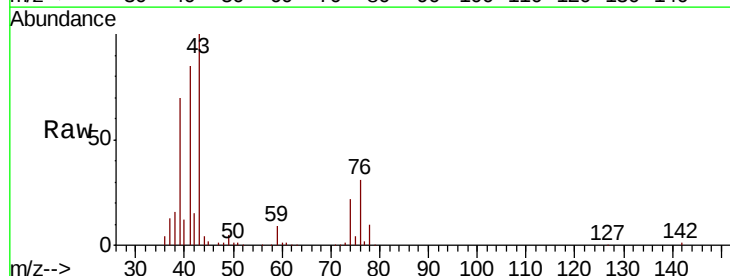
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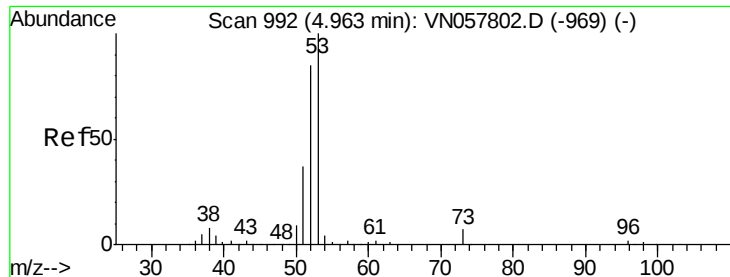
MMDadoda
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#14
Allyl chloride
Concen: 43.312 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	41	Resp	309643
Ion Ratio	100	Lower	Upper
41	100		
39	74.4	59.4	89.2
76	31.2	26.0	39.0





#15

Acrylonitrile

Concen: 259.143 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

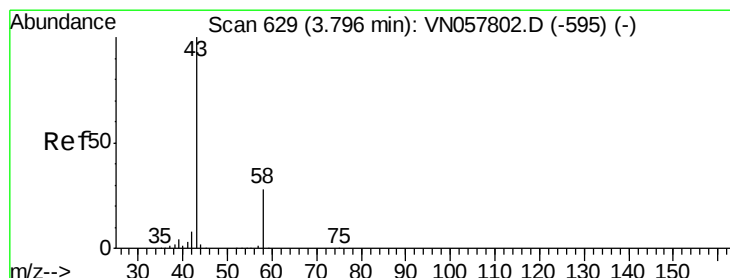
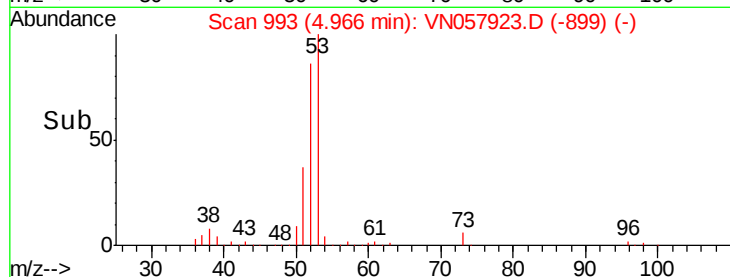
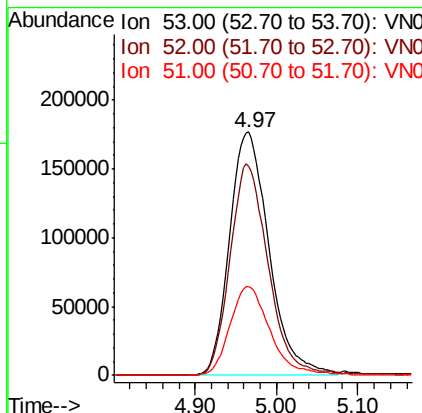
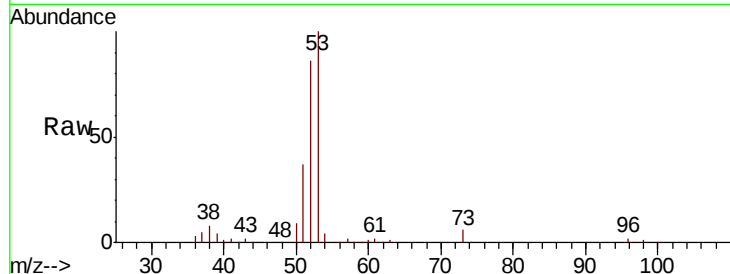
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	599036
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.6	100.0
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 225.820 ug/l

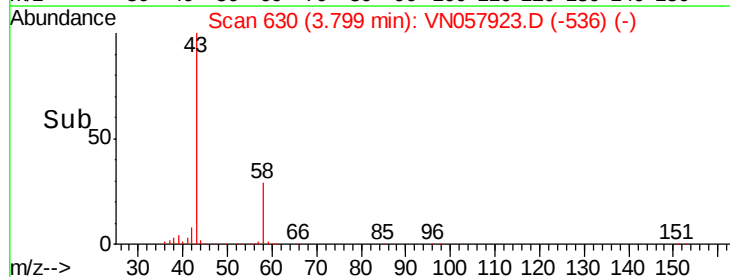
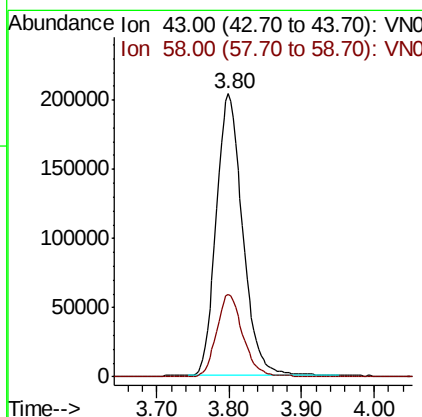
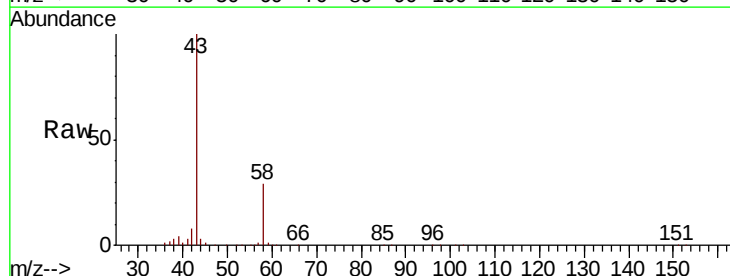
RT: 3.80 min Scan# 630

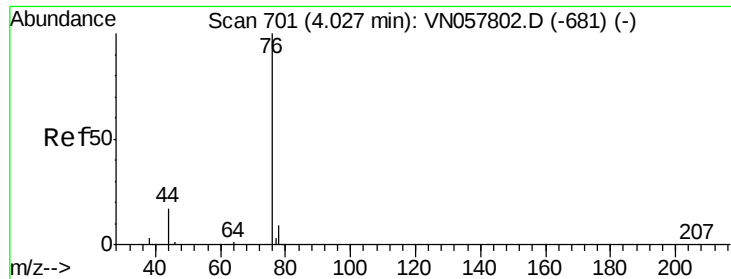
Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Tgt Ion:	43	Resp:	514396
Ion Ratio	Lower	Upper	
43	100		
58	29.3	22.2	33.2





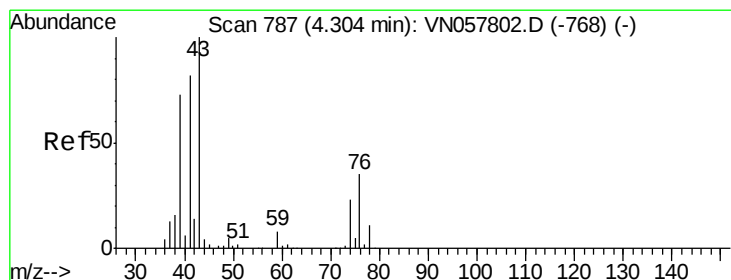
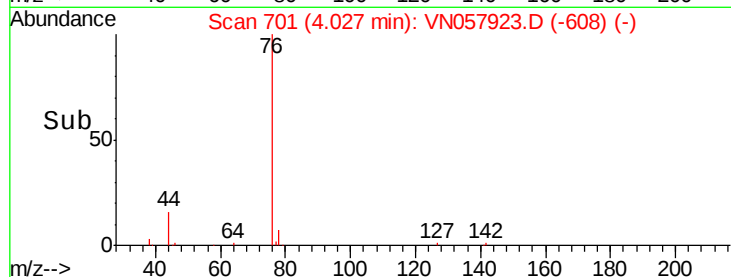
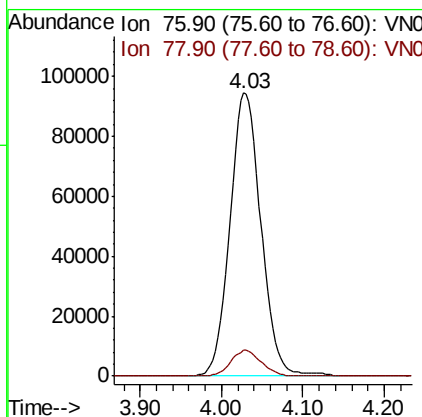
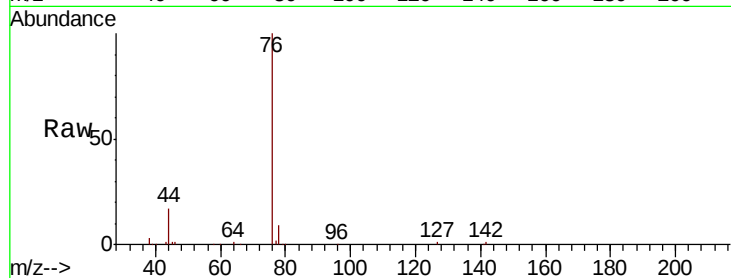
#17
Carbon Disulfide
Concen: 44.098 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 250621
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

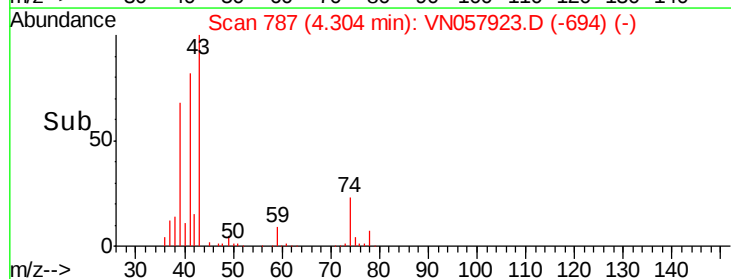
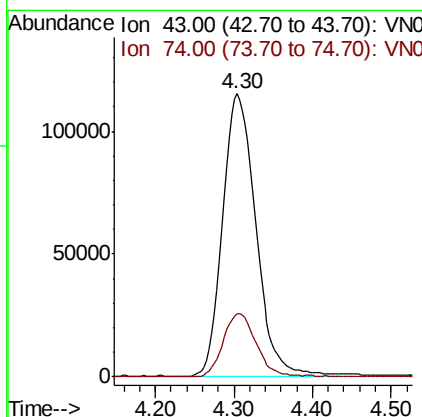
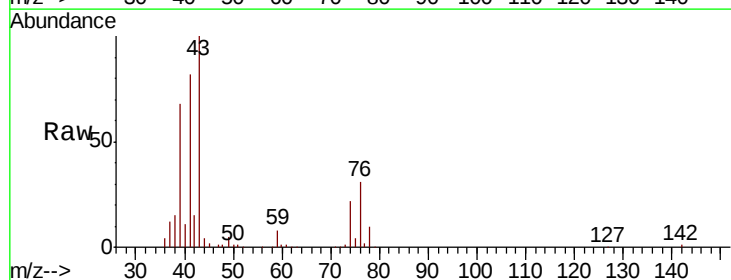
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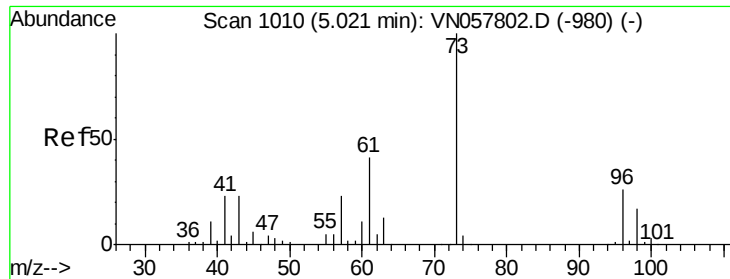
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#18
Methyl Acetate
Concen: 55.308 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion: 43 Resp: 335919
Ion Ratio Lower Upper
43 100
74 22.3 17.9 26.9





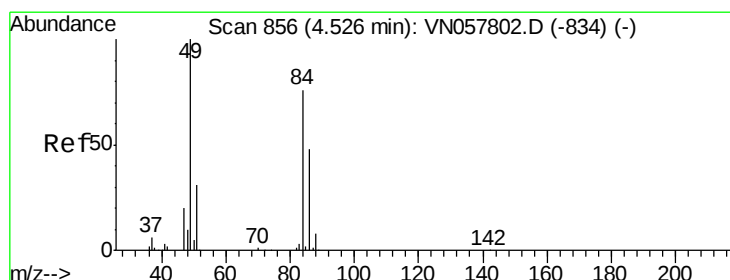
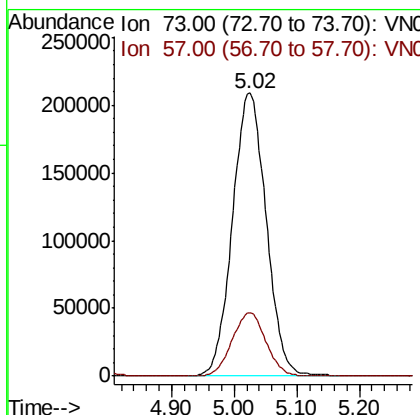
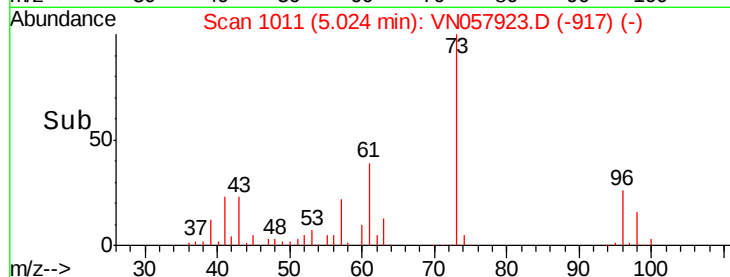
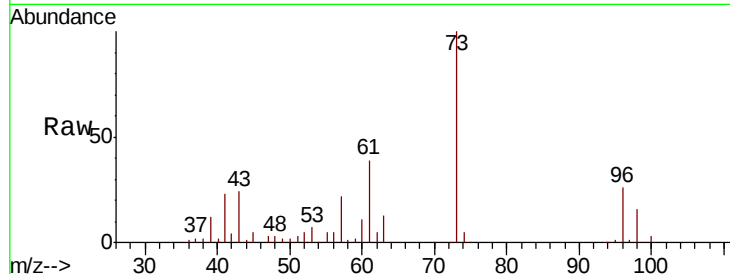
#19
Methvl tert-butvl Ether
Concen: 51.219 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 778674
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2

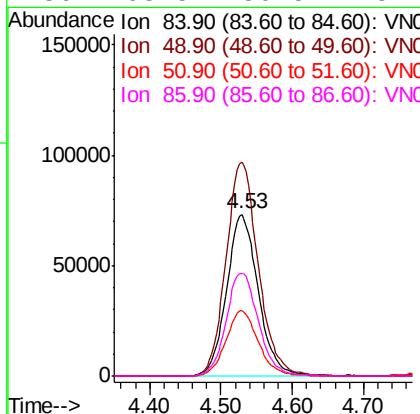
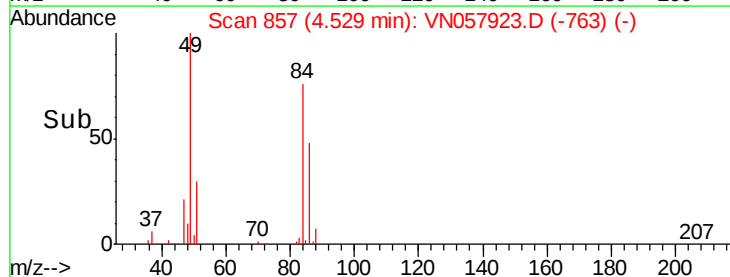
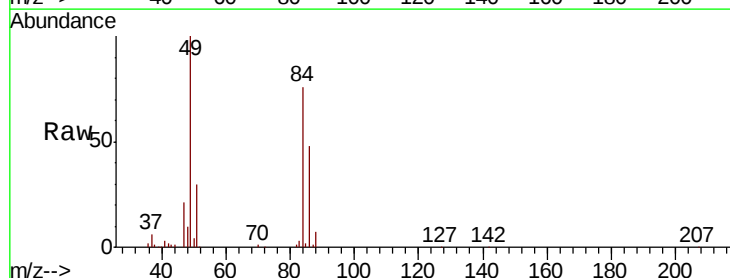
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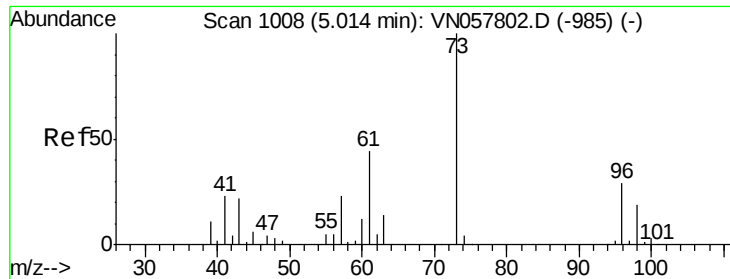
MMDadoda
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#20
Methylene Chloride
Concen: 52.271 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion: 84 Resp: 226432
Ion Ratio Lower Upper
84 100
49 132.0 104.8 157.2
51 40.3 33.0 49.4
86 63.5 50.5 75.7





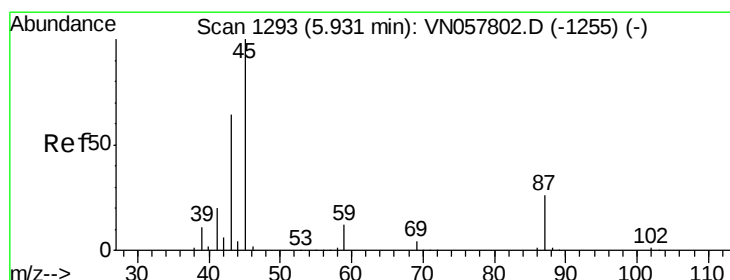
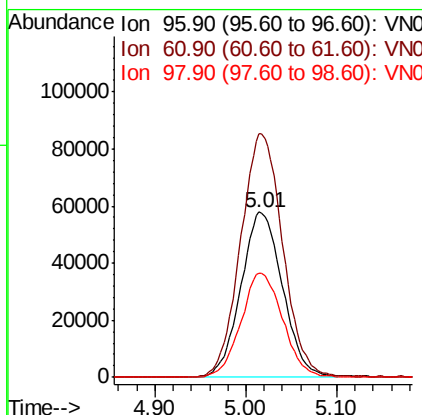
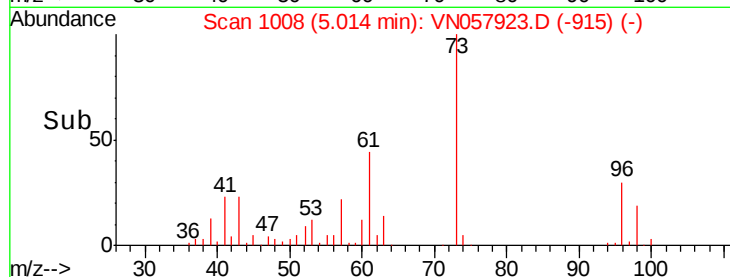
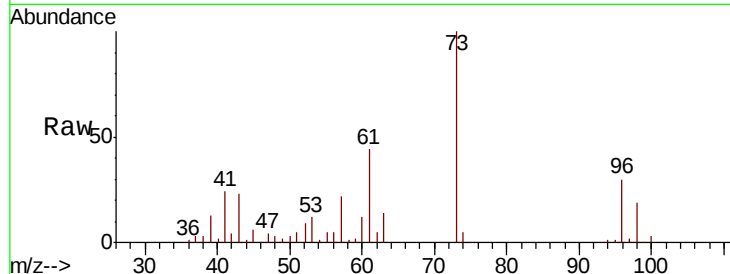
#21
trans-1,2-Dichloroethene
Concen: 46.743 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	121.9	182.9
98	63.4	52.2	78.4

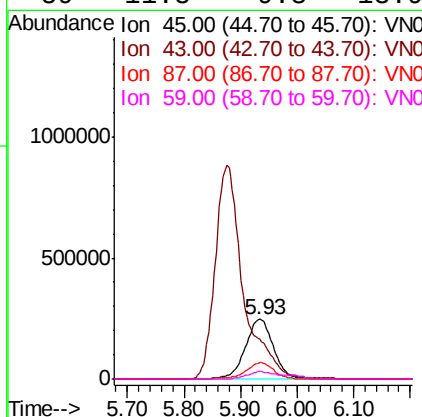
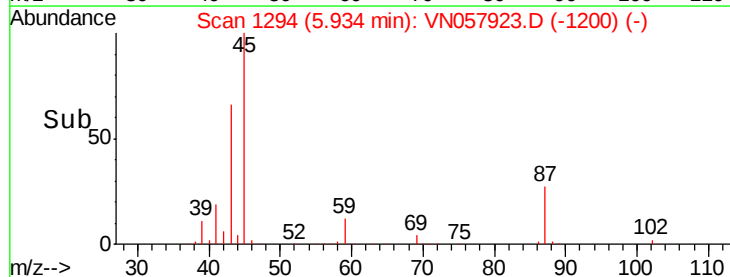
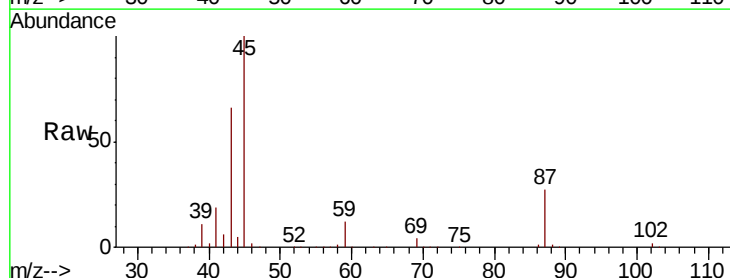
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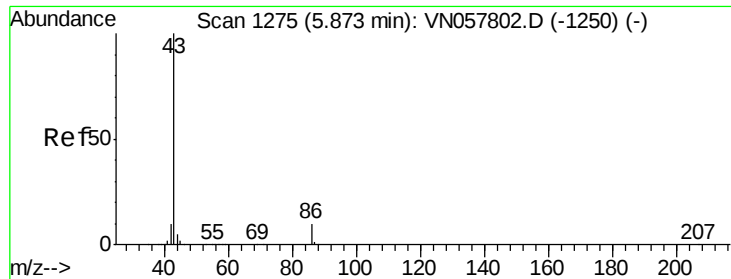
MMDadoda
9/13/2019 7:06:28 AM



#22
Diisopropyl ether
Concen: 50.915 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.8	51.4	77.2
87	26.7	21.3	31.9
59	11.8	9.3	13.9





#23

Vinyl Acetate

Concen: 257.131 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3055157

Ion Ratio Lower Upper

43 100

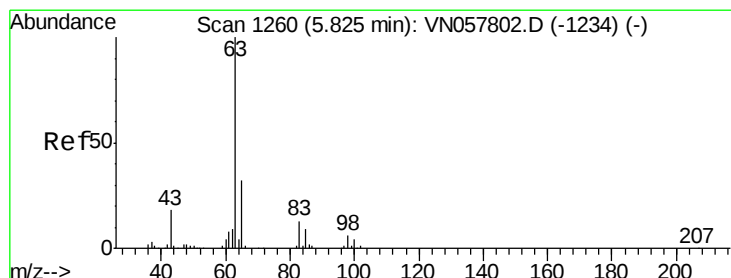
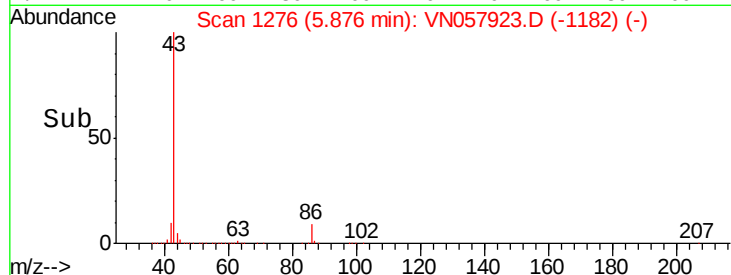
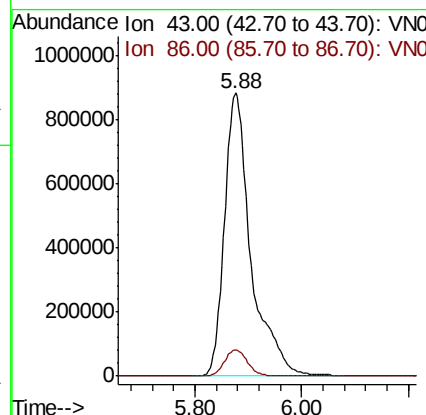
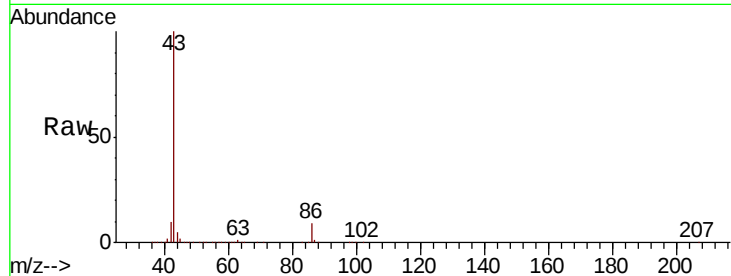
86 9.2 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

9/13/2019 7:06:28 AM



#24

1,1-Dichloroethane

Concen: 49.087 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

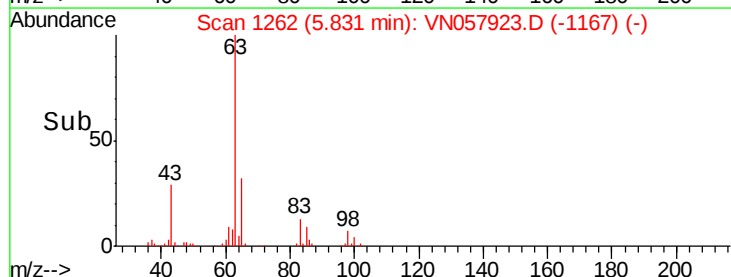
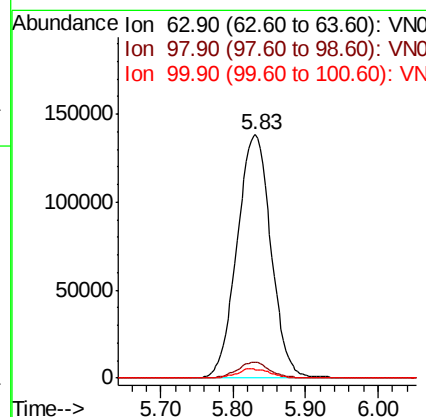
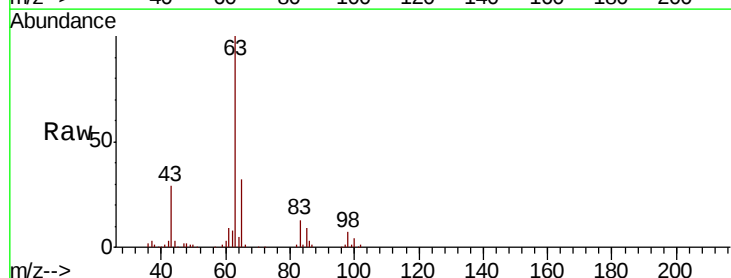
Tgt Ion: 63 Resp: 449774

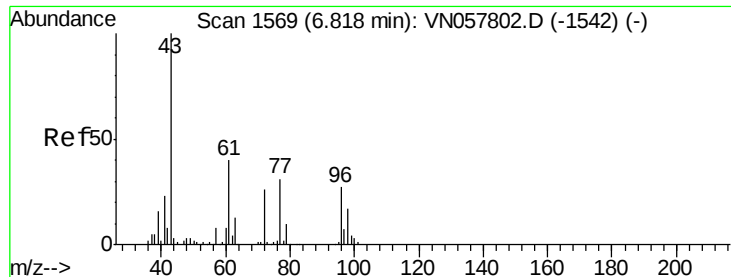
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.6 2.0 5.8





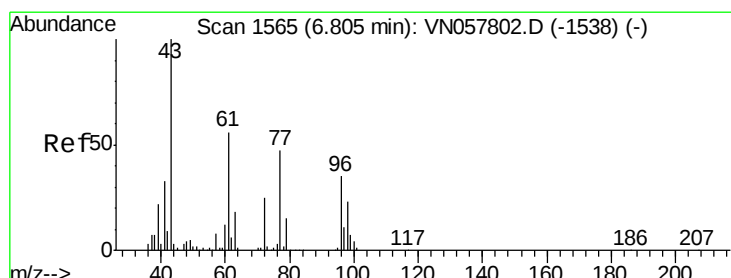
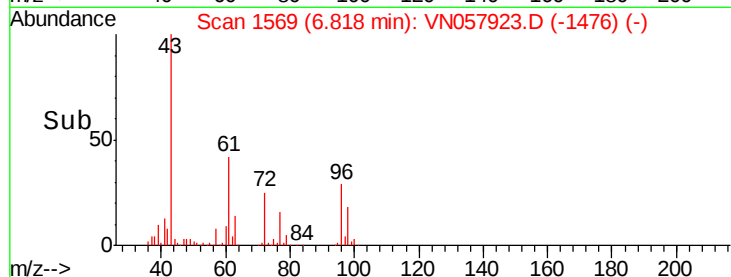
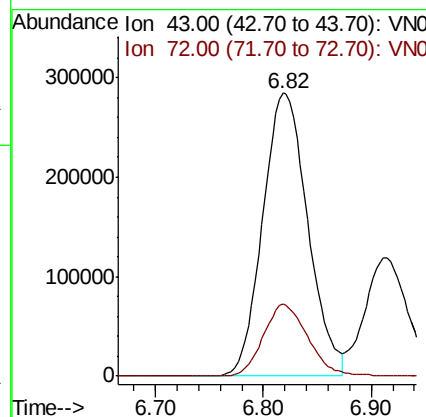
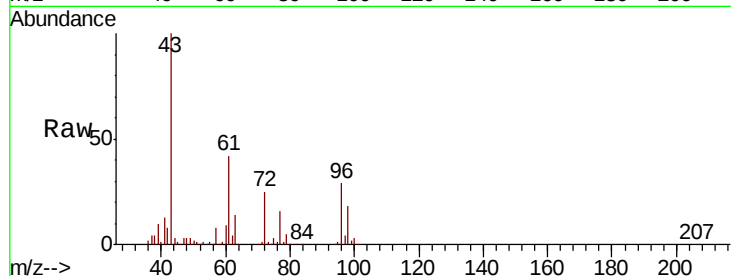
#25
2-Butanone
Concen: 248.993 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	820912
Ion Ratio	100	Lower	Upper
72	25.4	20.6	30.8

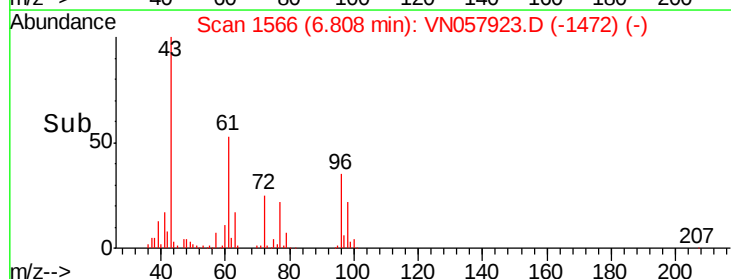
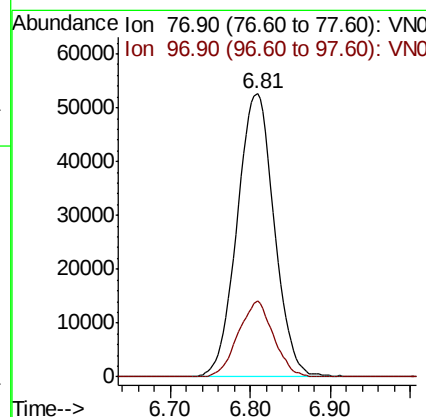
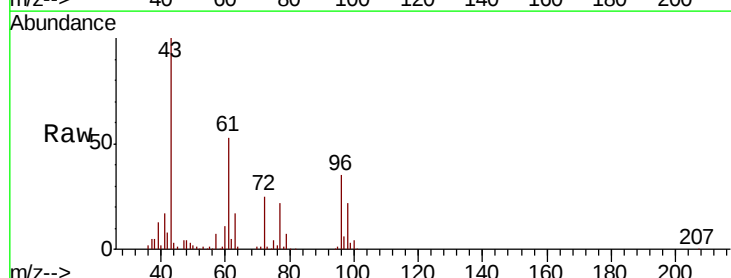
Manual Integrations
APPROVED

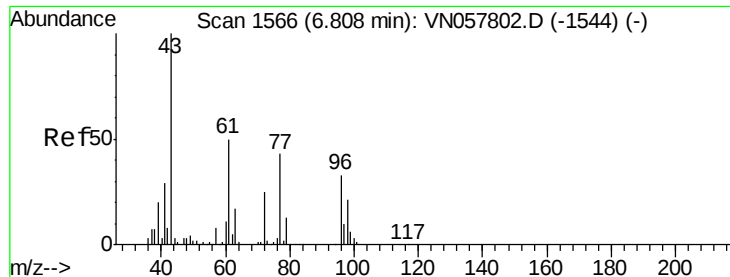
MMDadoda
9/13/2019 7:06:28 AM



#26
2,2-Dichloropropane
Concen: 22.827 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	77	Resp	165527
Ion Ratio	100	Lower	Upper
97	25.3	11.1	33.3





#27

cis-1,2-Dichloroethene

Concen: 48.102 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

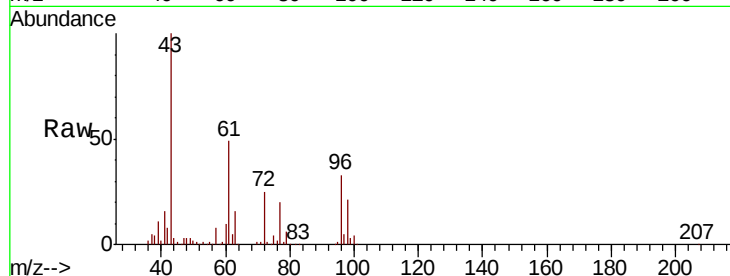
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	254568
Ion Ratio	Lower	Upper	
96	100		
61	147.5	0.0	314.0
98	63.4	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
9/13/2019 7:06:28 AM

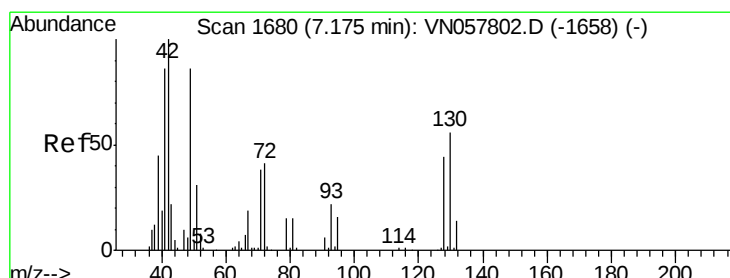
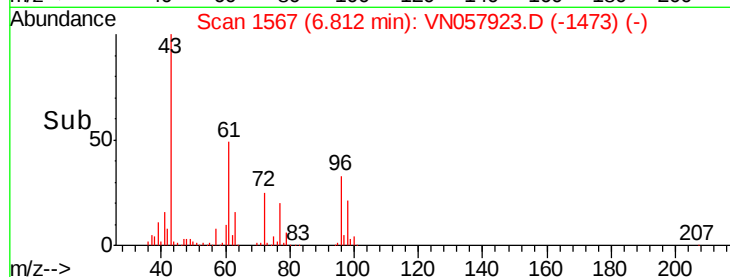
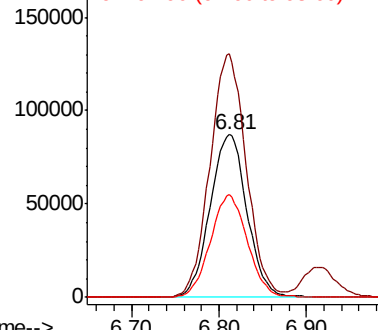


Abundance

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



#28

Bromochloromethane

Concen: 50.867 ug/l

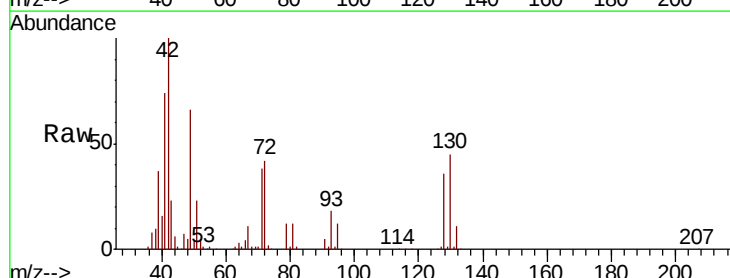
RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Tgt Ion:	49	Resp:	232851
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	68.3	53.0	79.6

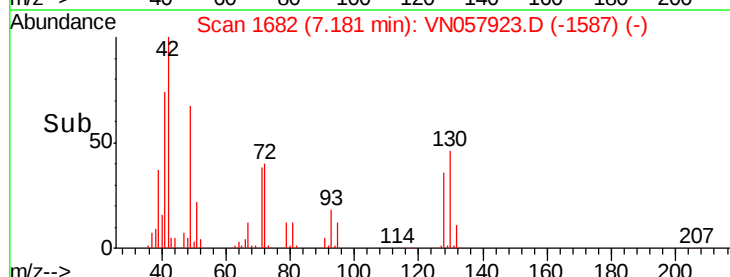
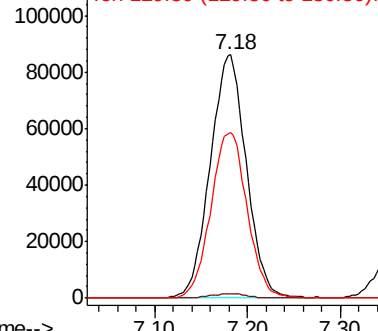


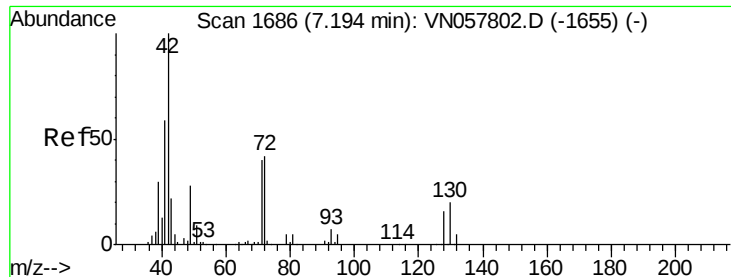
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





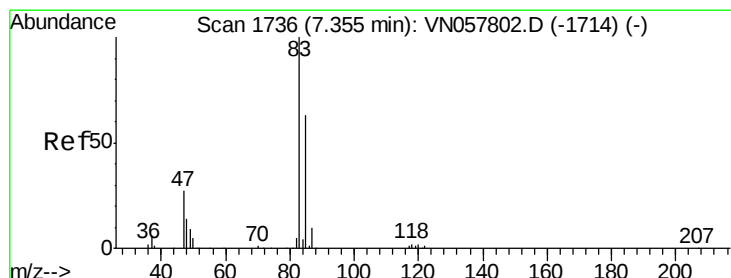
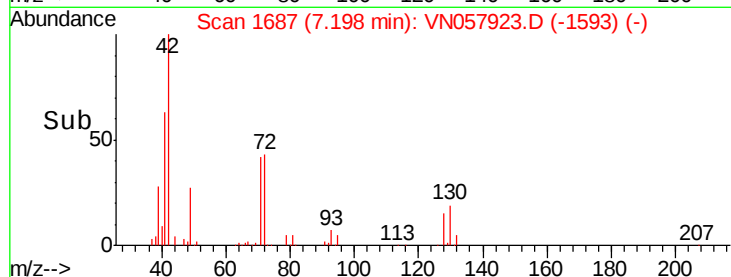
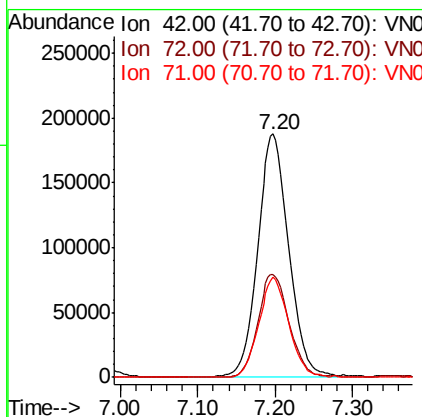
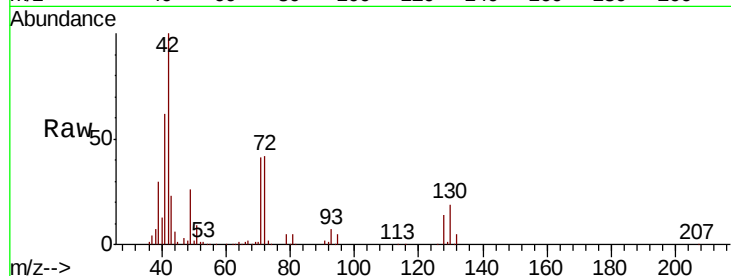
#29
Tetrahydrofuran
Concen: 256.704 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.7	50.5
71	39.8	31.9	47.9

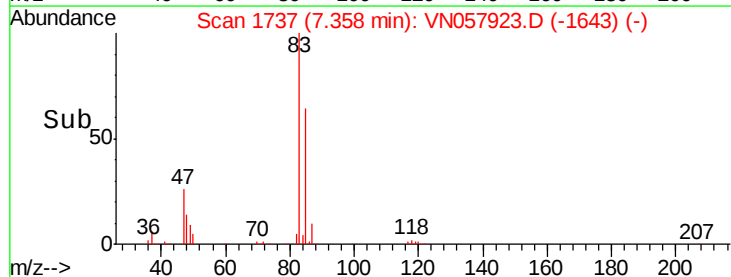
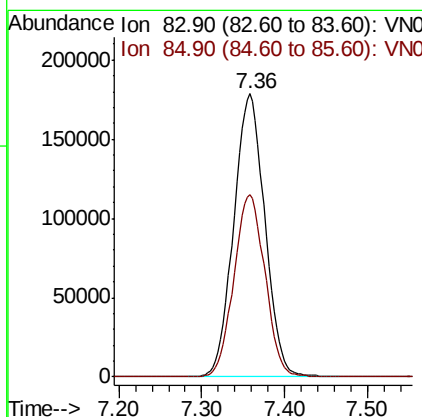
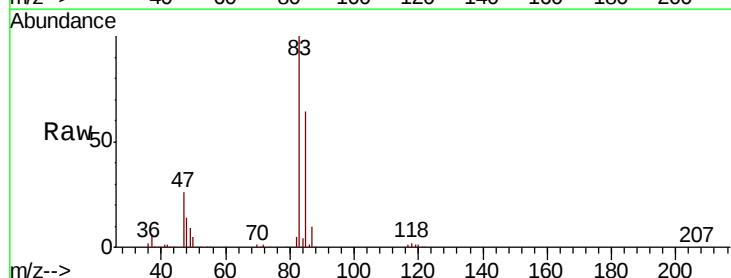
Manual Integrations
APPROVED

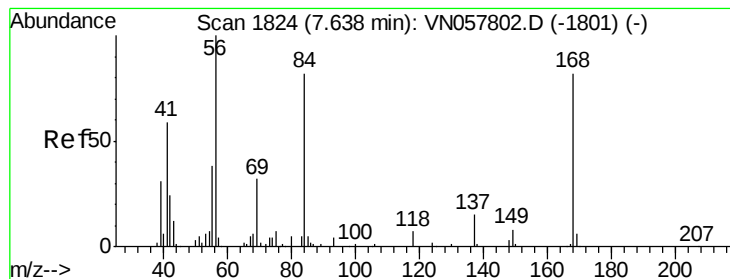
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#30
Chloroform
Concen: 48.759 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	75.8





#31

Cyclohexane

Concen: 49.626 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

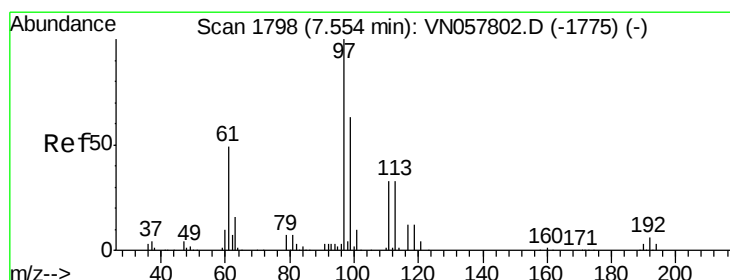
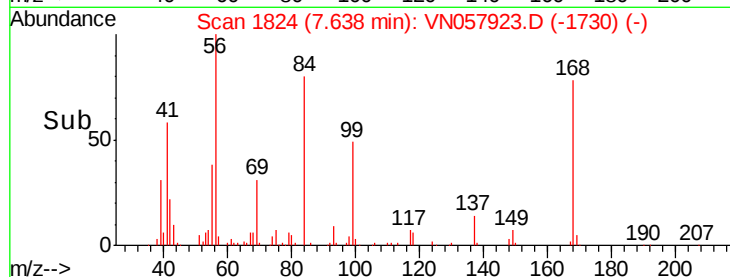
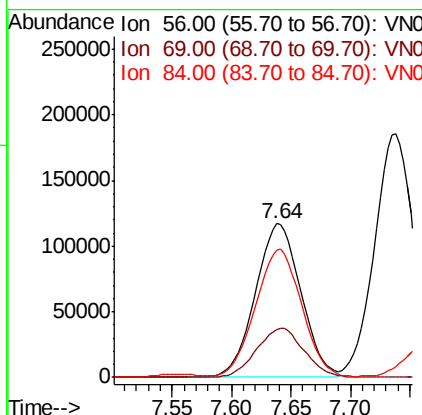
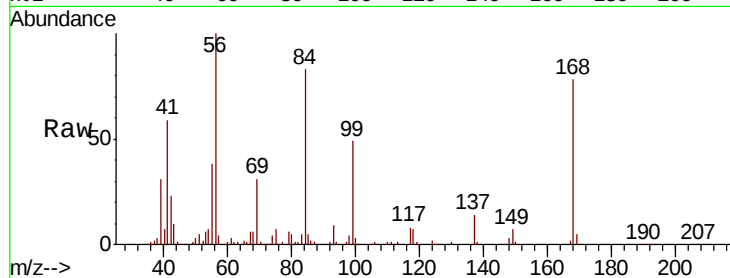
ClientSampled :

VSTDCCC050EC

Tot Ion:	56	Resp:	309972
Ion Ratio	Lower	Upper	
56	100		
69	30.8	25.9	38.9
84	80.9	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.240 ug/l

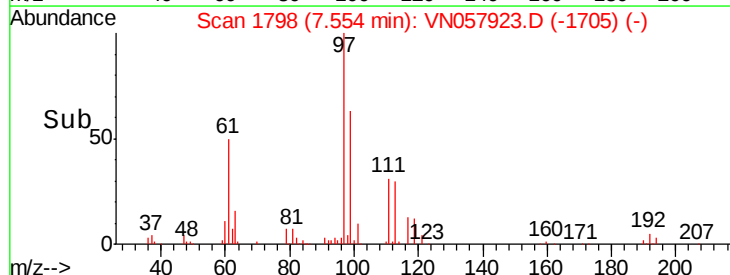
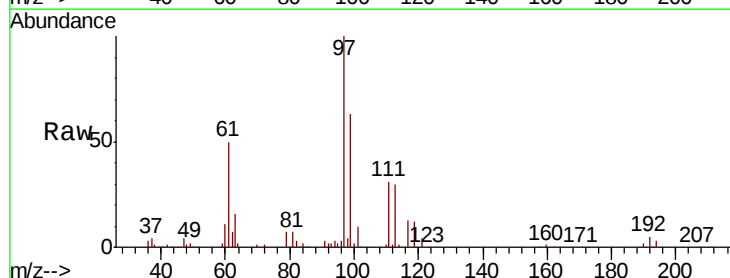
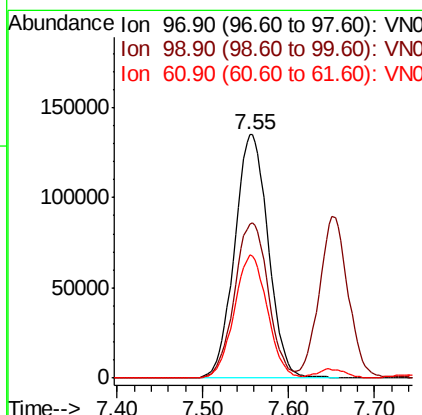
RT: 7.55 min Scan# 1798

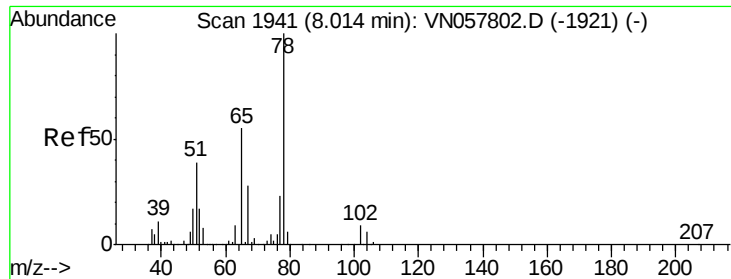
Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Tgt Ion:	97	Resp:	366539
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.0	76.4
61	49.9	39.0	58.6





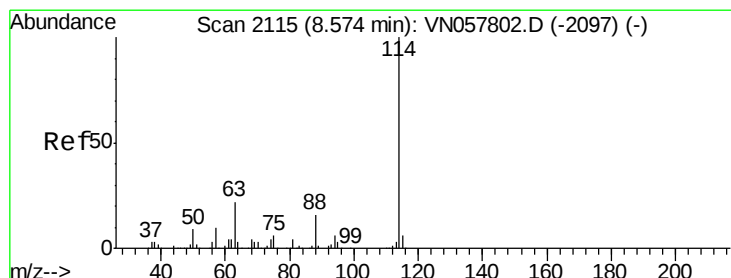
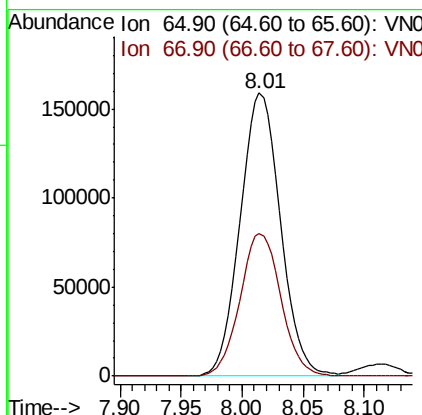
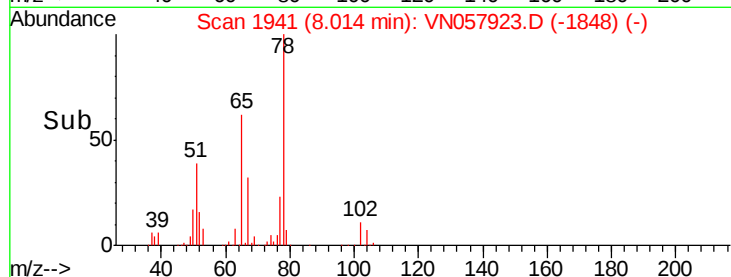
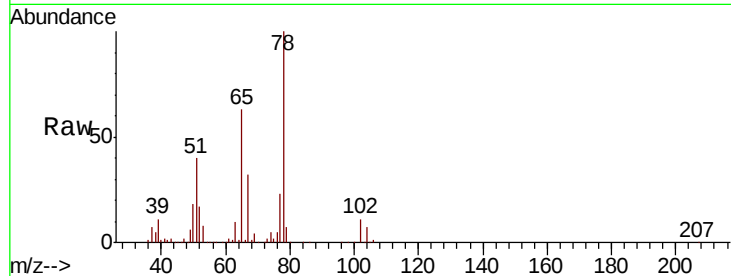
#33
 1,2-Dichloroethane-d4
 Concen: 52.338 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	104.0	

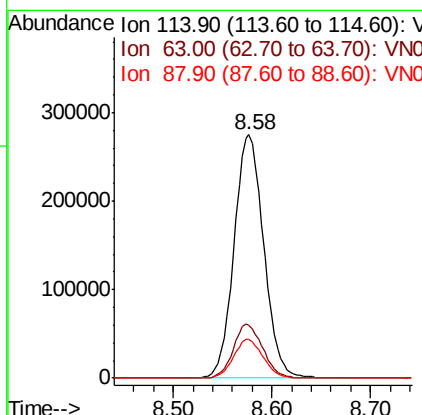
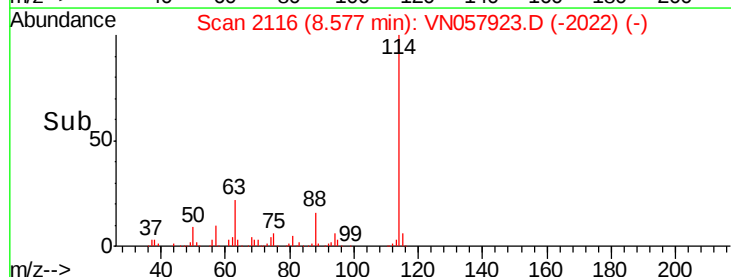
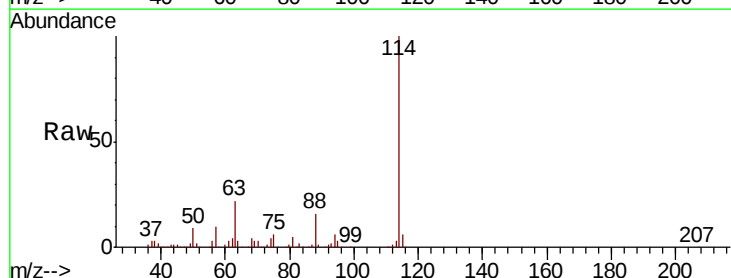
Manual Integrations
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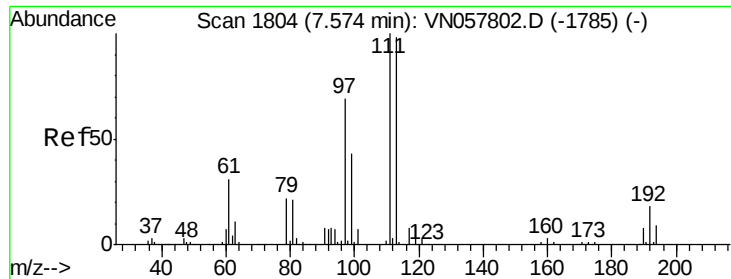
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	44.0	
88	16.1	0.0	31.4	





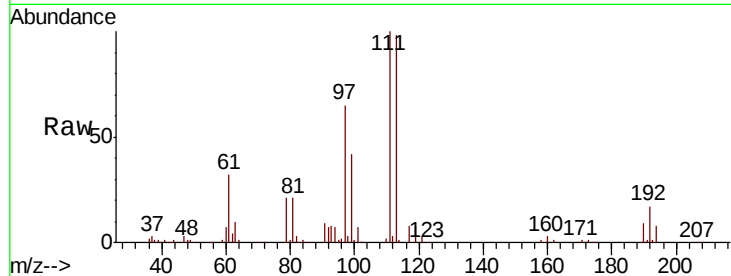
#35
Dibromofluoromethane
Concen: 49.600 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

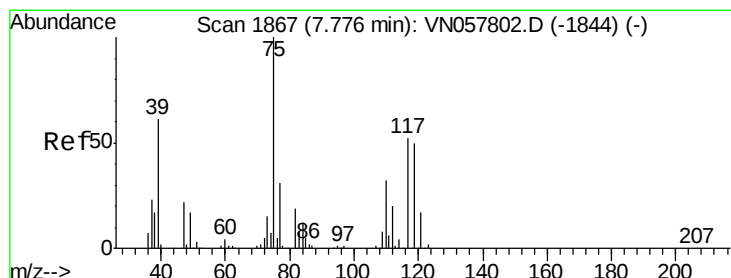
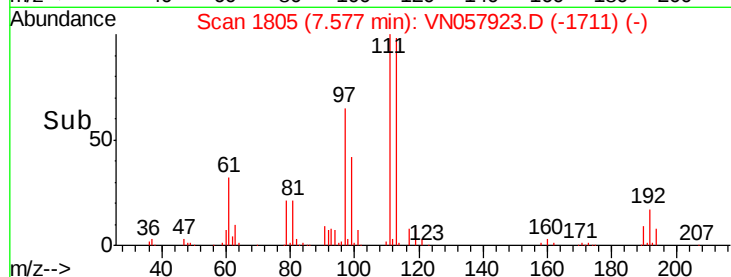
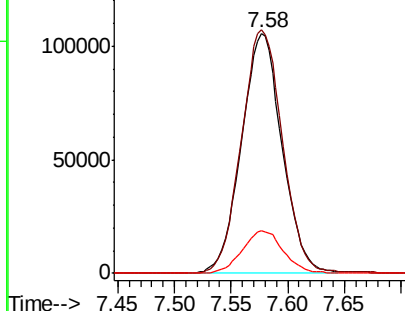
Tot Ion	Ratio	Resp	Lower	Upper
113	100	262710		
111	103.5	81.3	121.9	
192	18.1	14.6	22.0	

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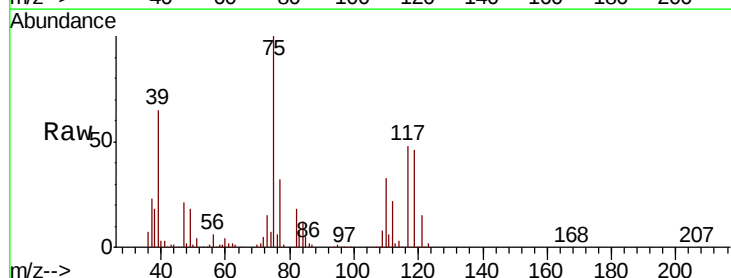


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

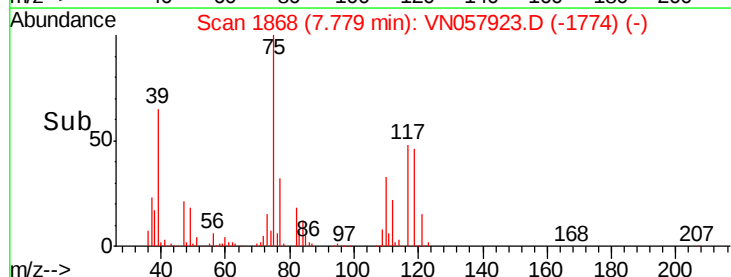
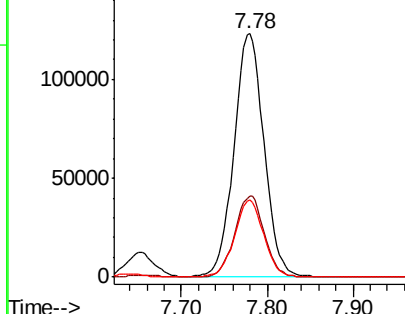


#36
1,1-Dichloropropene
Concen: 44.682 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	297373		
110	32.9	16.3	48.9	
77	31.1	25.0	37.4	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





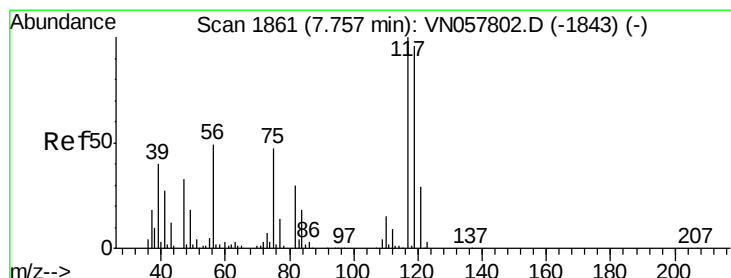
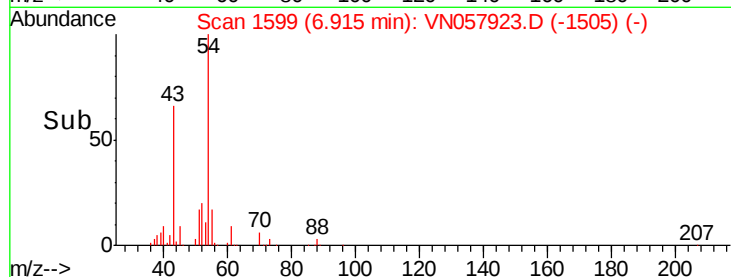
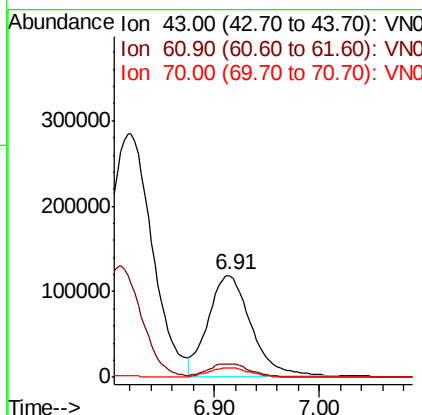
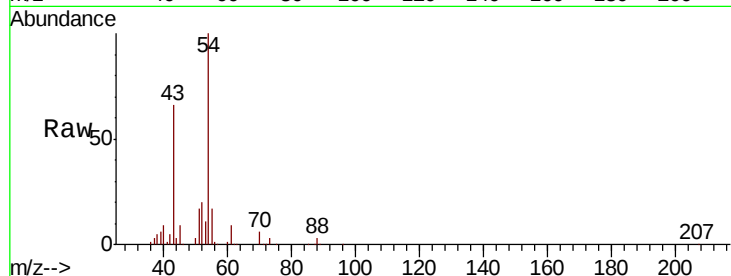
#37
Ethyl Acetate
Concen: 48.445 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.1	10.5	15.7	
70	9.2	7.4	11.0	

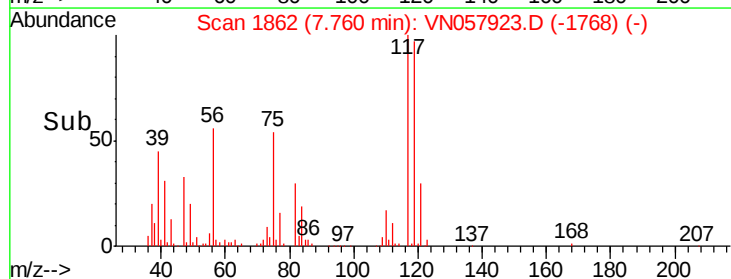
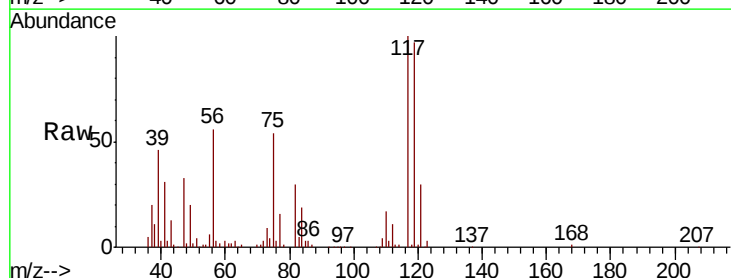
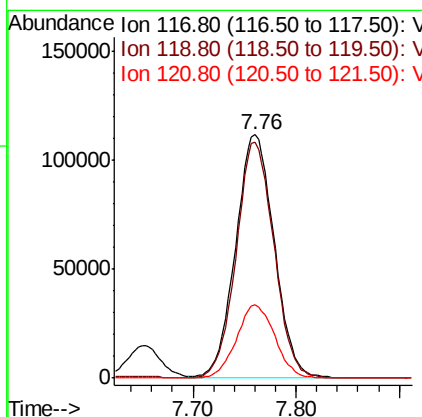
Manual Integrations
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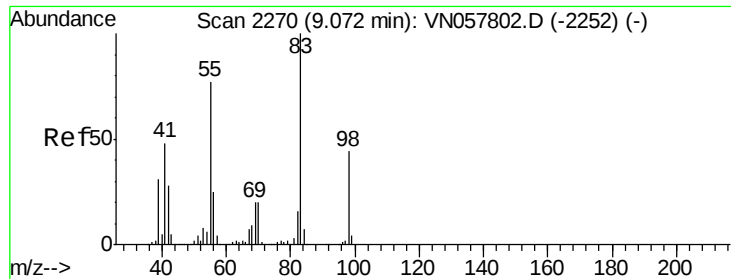
MMDadoda
9/13/2019 7:06:28 AM



#38
Carbon Tetrachloride
Concen: 47.676 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.1	76.9	115.3	
121	30.1	23.4	35.2	





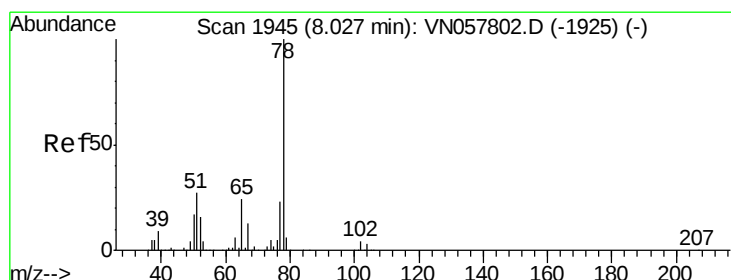
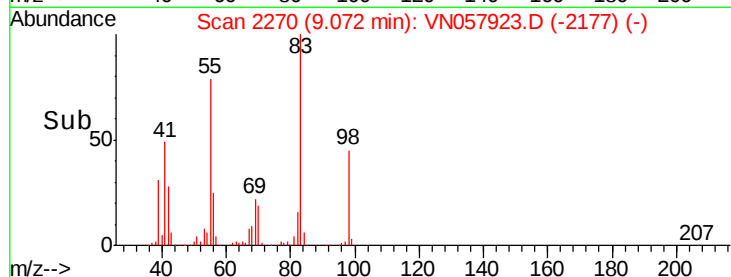
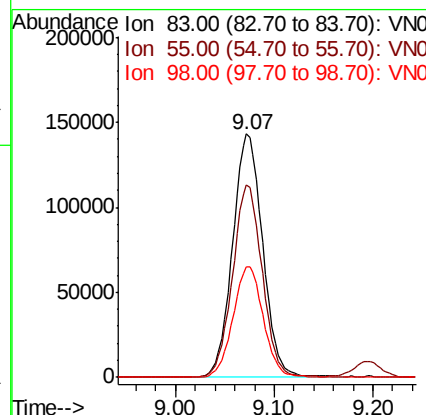
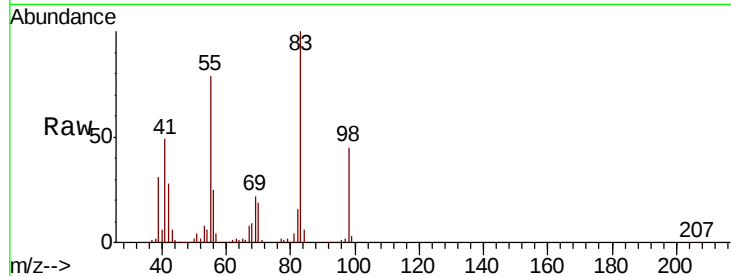
#39
Methvlcvclohexane
Concen: 43.625 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	305218		
55	79.1		61.6	92.4
98	45.2		34.9	52.3

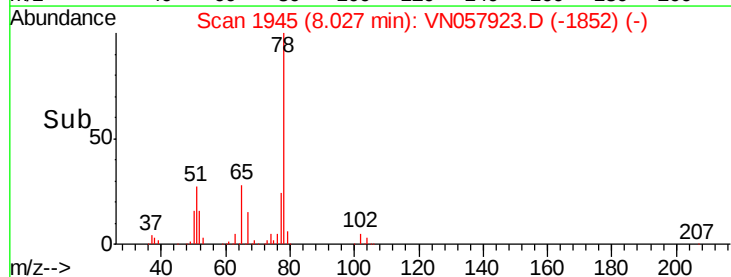
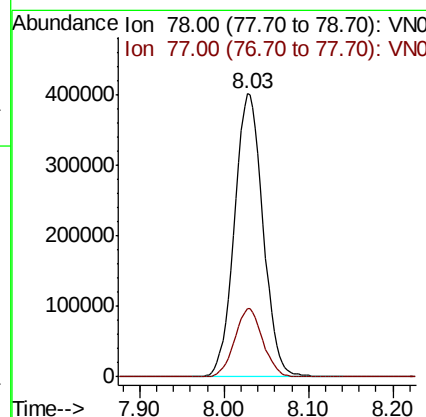
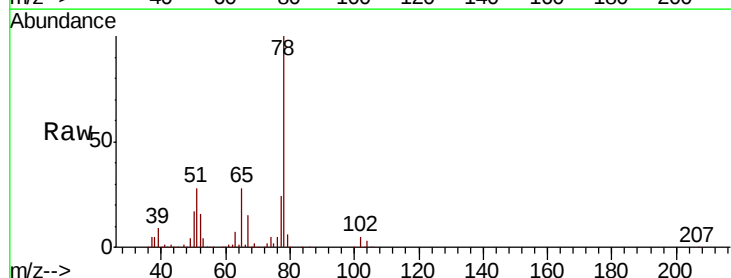
Manual Integrations
APPROVED

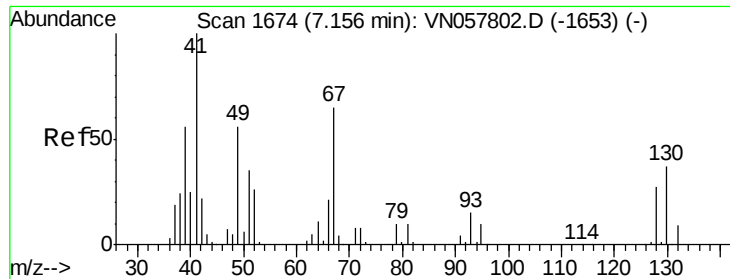
MMDadoda
9/13/2019 7:06:28 AM



#40
Benzene
Concen: 47.371 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	949168		
77	24.2		18.3	27.5





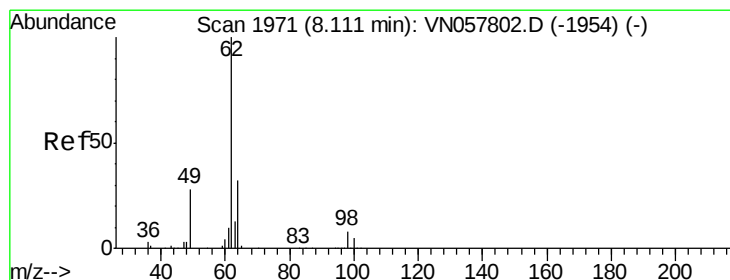
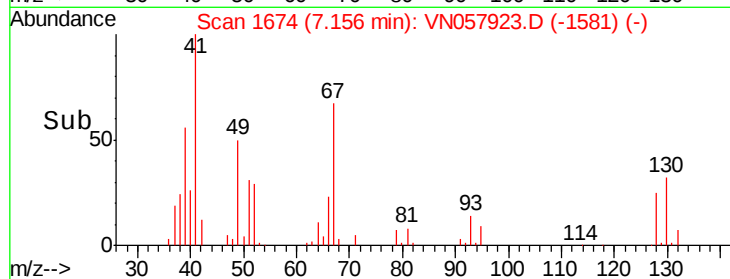
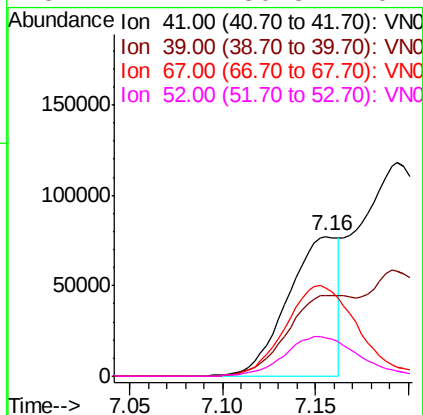
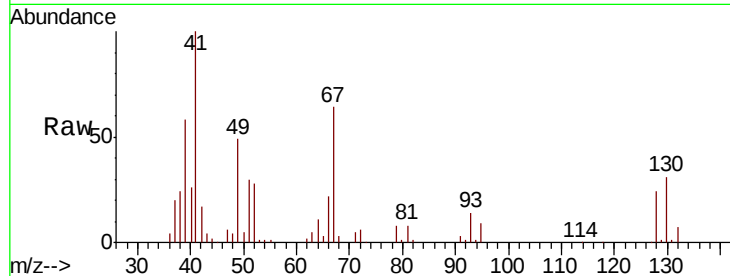
#41
Methacrylonitrile
Concen: 46.713 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	41	Resp	145807
Ion Ratio	Lower	Upper	
41	100		
39	75.3	51.0	76.6
67	93.5	70.7	106.1
52	41.2	30.8	46.2

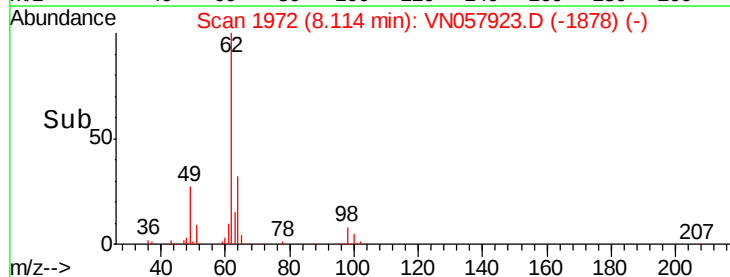
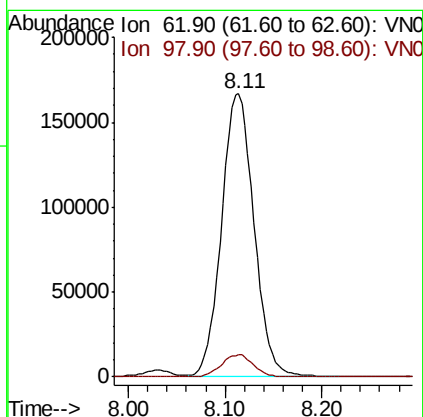
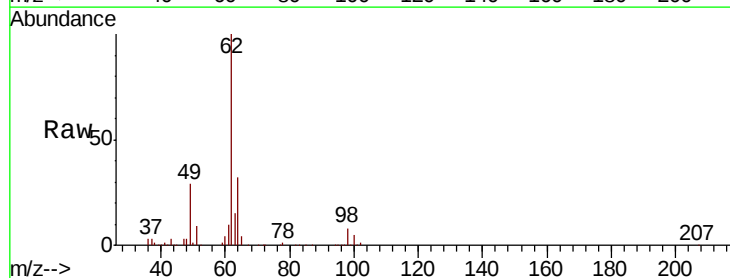
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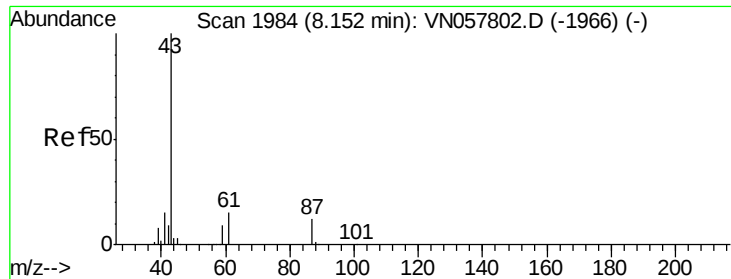
MMDadoda
9/13/2019 7:06:28 AM



#42
1,2-Dichloroethane
Concen: 48.377 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	62	Resp	387669
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.8





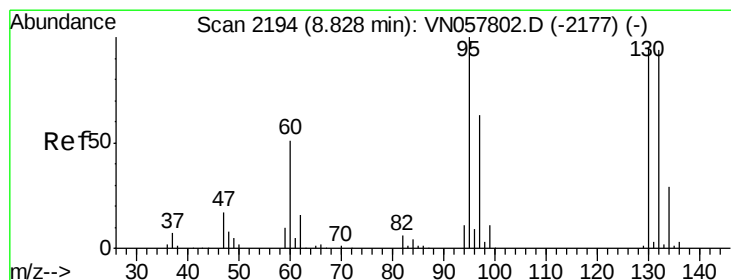
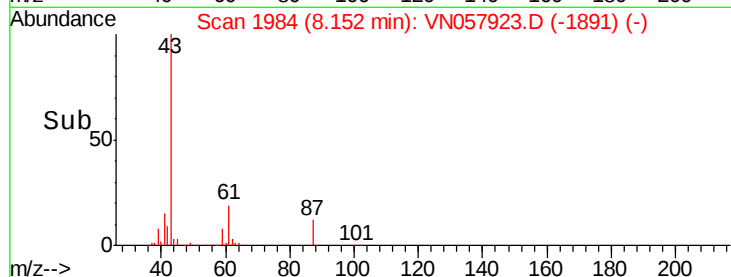
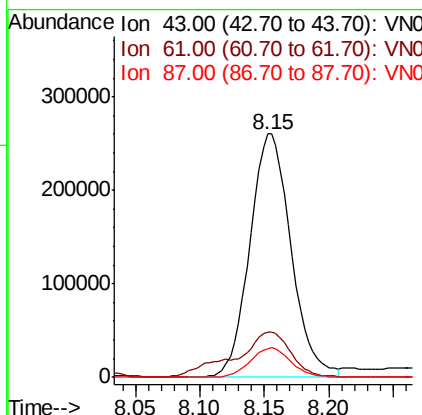
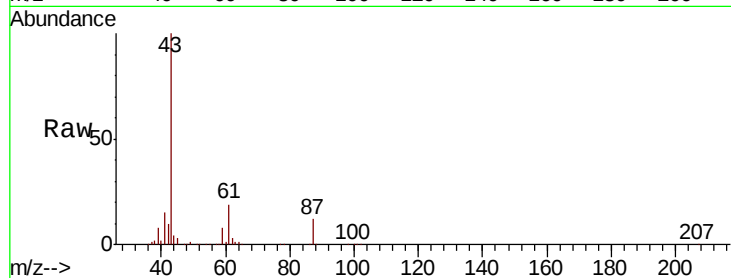
#43
Isopropyl Acetate
Concen: 50.067 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.1	30.1
87	12.1	9.5	14.3

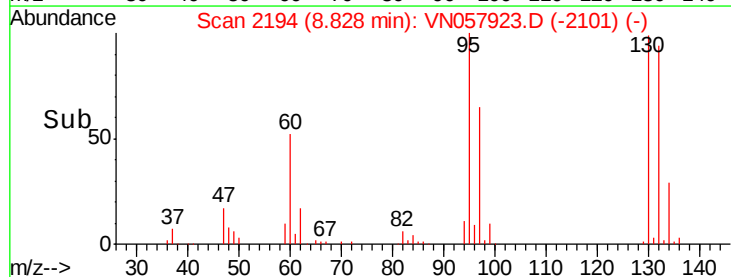
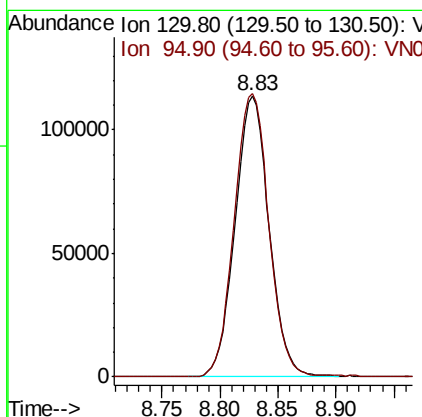
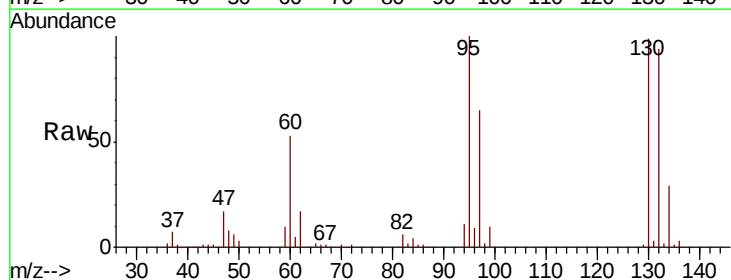
Manual Integrations
APPROVED

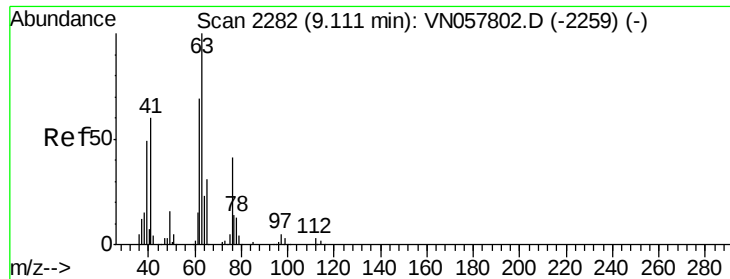
MMDadoda
9/13/2019 7:06:28 AM



#44
Trichloroethene
Concen: 47.160 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	211.4





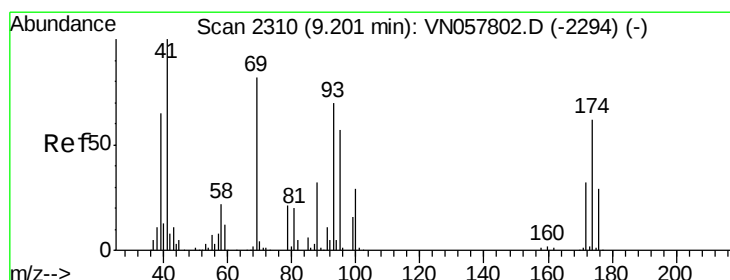
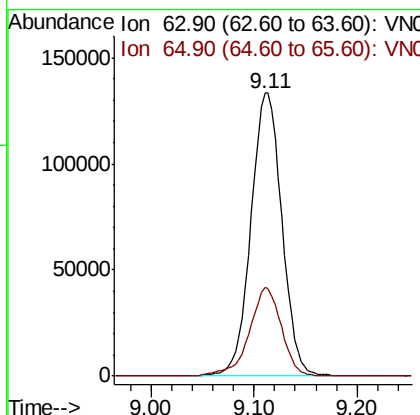
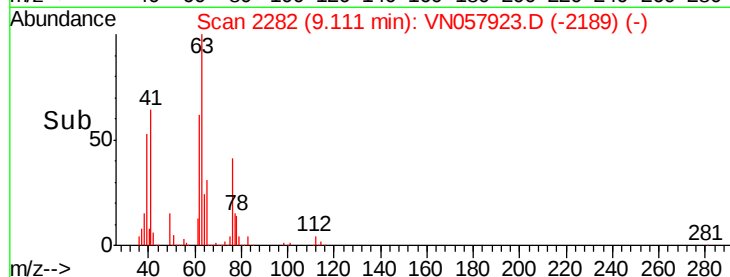
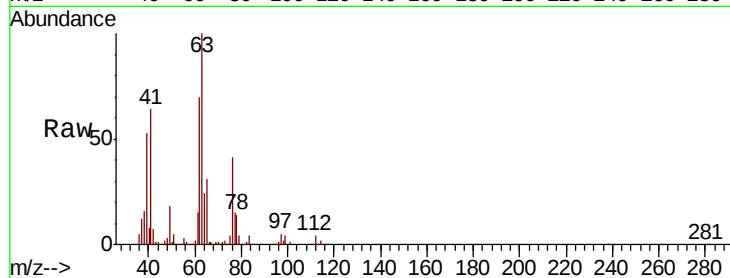
#45
 1,2-Dichloropropane
 Concen: 47.662 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.8	37.2

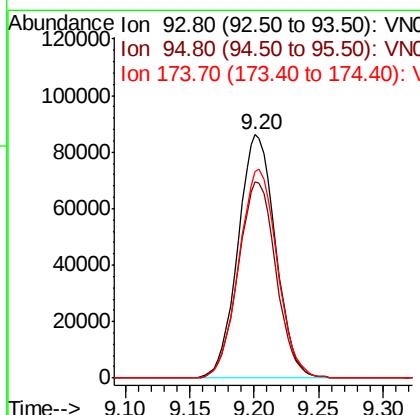
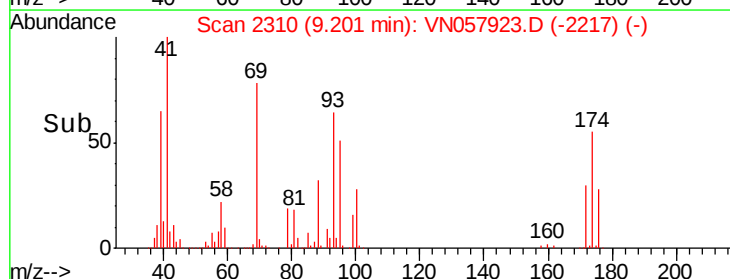
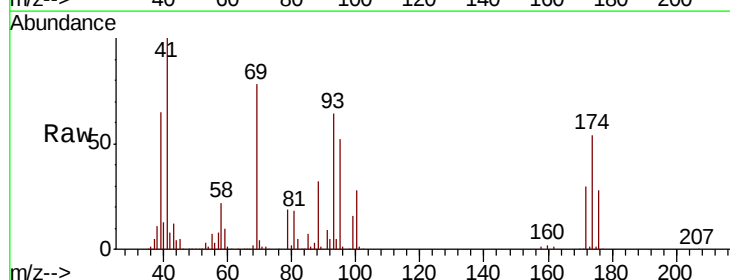
Manual Integrations
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 9/13/2019 7:06:28 AM



#46
 Dibromomethane
 Concen: 49.548 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.9	98.9
174	87.8	71.8	107.6





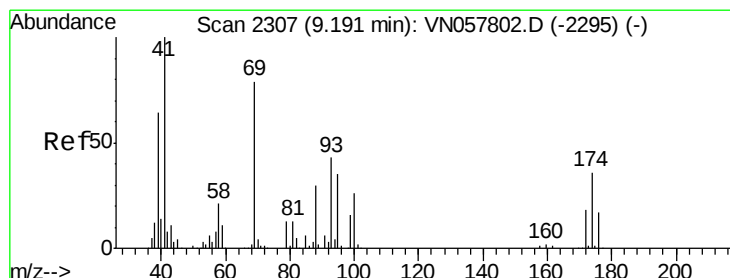
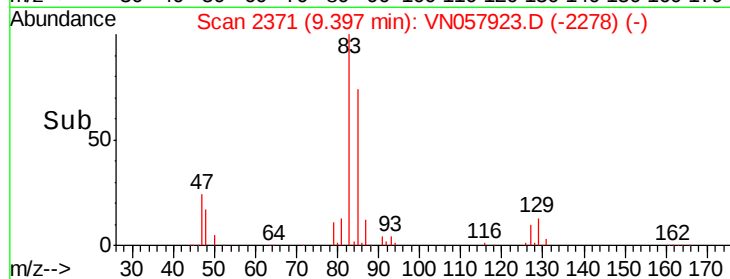
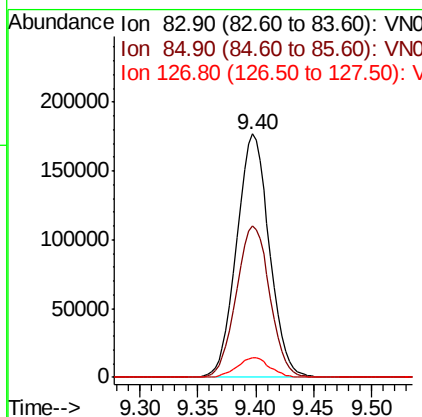
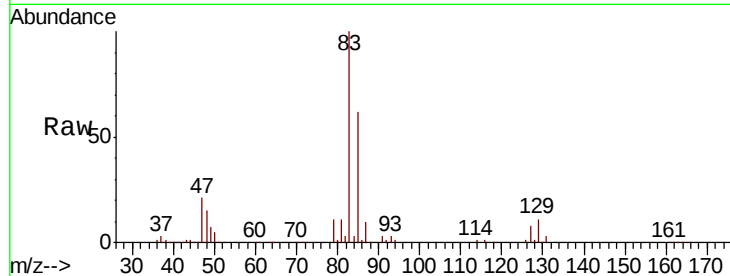
#47
Bromodichloromethane
Concen: 49.205 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.0	49.9	74.9	
127	8.2	6.5	9.7	

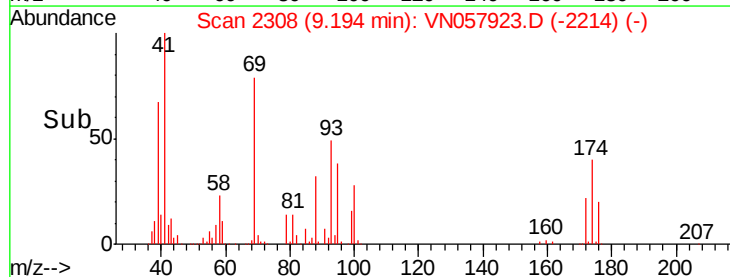
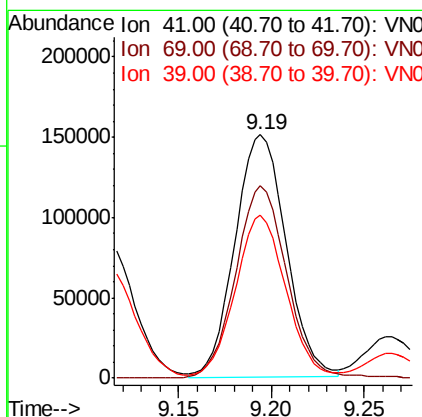
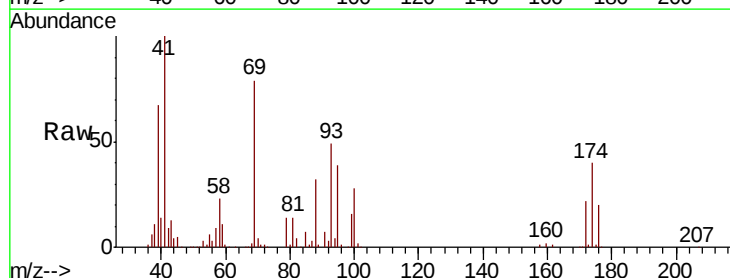
Manual Integrations
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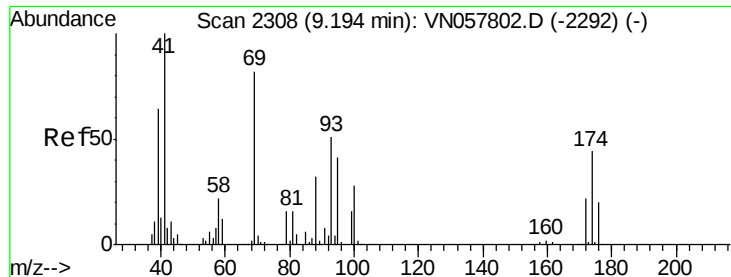
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#48
Methyl methacrylate
Concen: 49.435 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.7	62.7	94.1	
39	66.2	52.7	79.1	





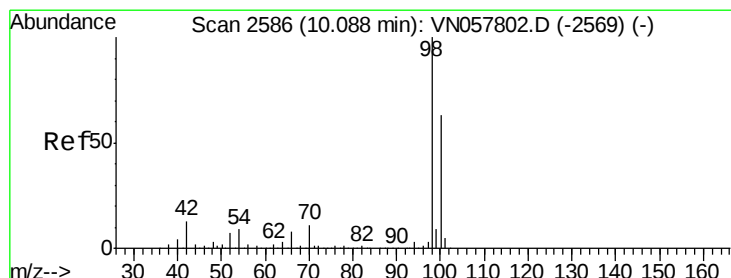
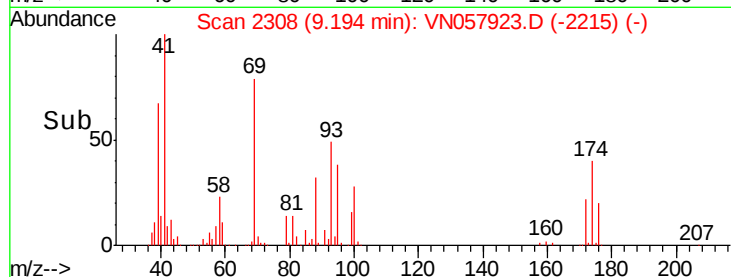
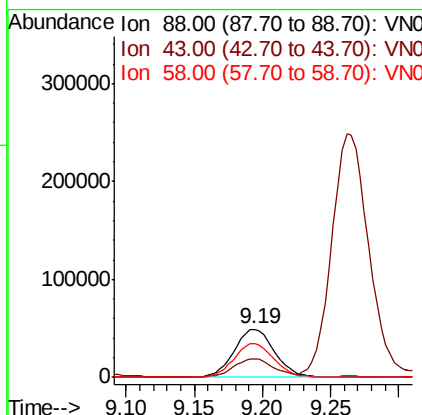
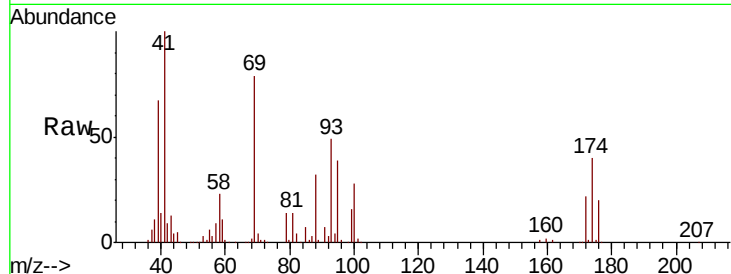
#49
1,4-Dioxane
Concen: 1024.847 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	35.4	28.5	42.7	
58	69.8	55.8	83.6	

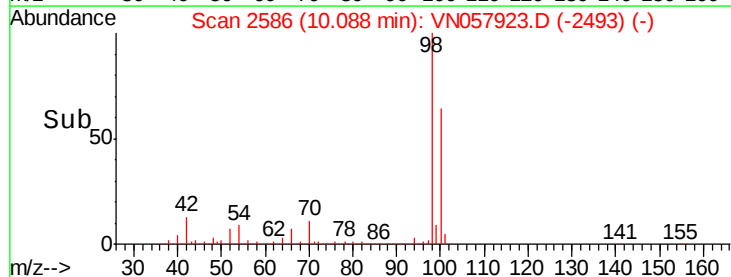
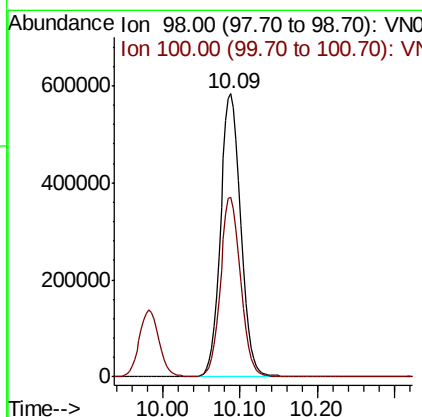
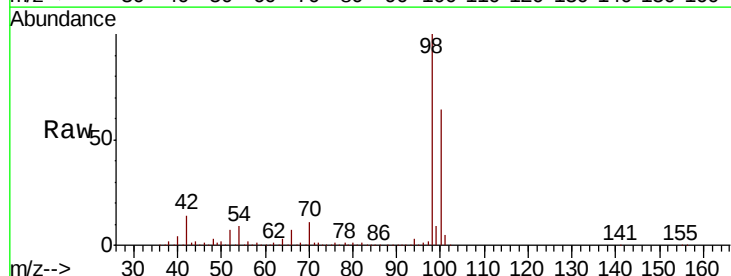
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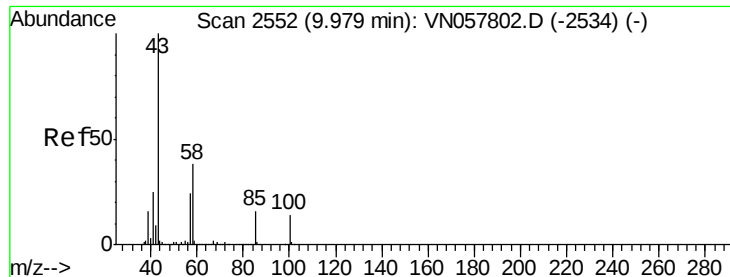
MMDadoda
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#50
Toluene-d8
Concen: 52.070 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.1	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 268.463 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1837093

Ion Ratio Lower Upper

43 100

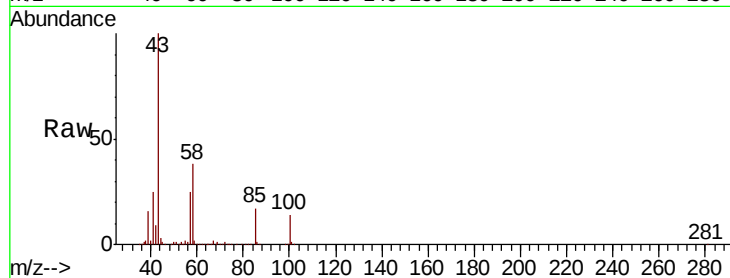
58 37.5 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

9.98

1000000

800000

600000

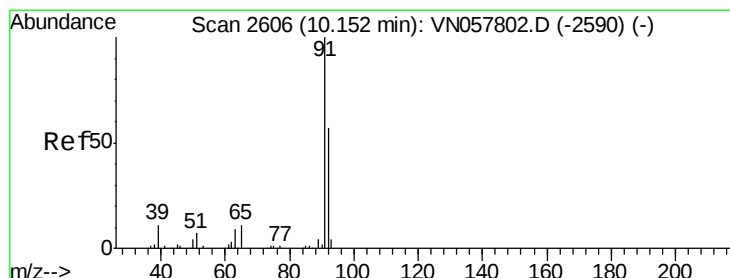
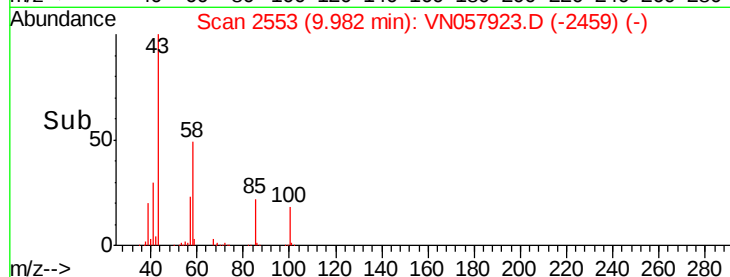
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 47.495 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057923.D

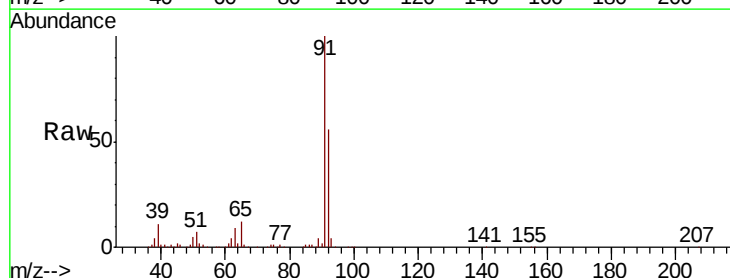
Acq: 11 Sep 2019 14:18

Tgt Ion: 92 Resp: 599389

Ion Ratio Lower Upper

92 100

91 176.8 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

10.15

600000

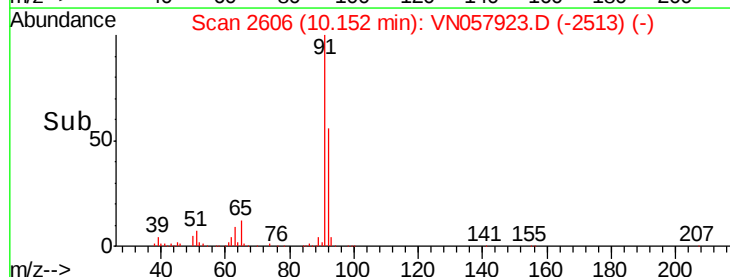
400000

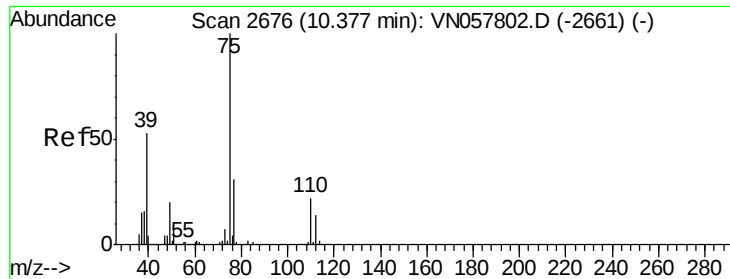
200000

0

10.10 10.20

Time-->





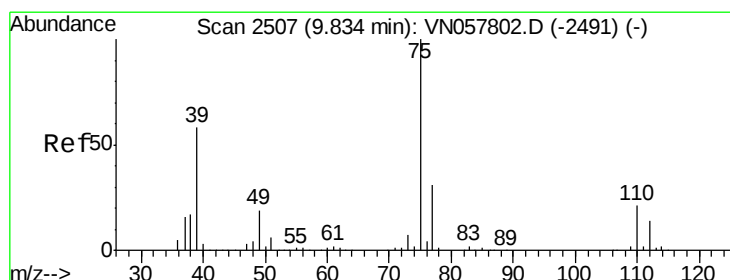
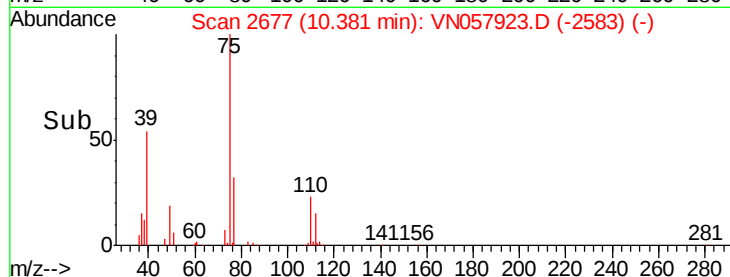
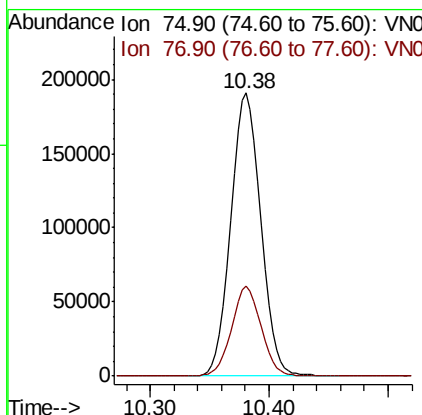
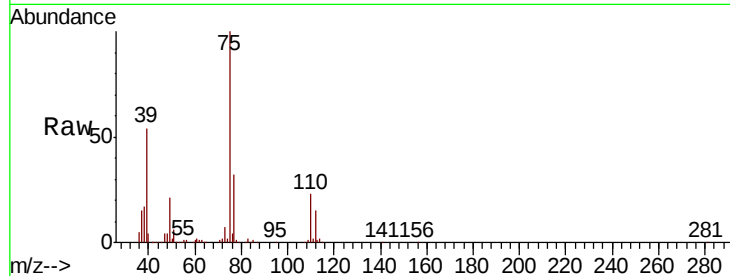
#53
t-1,3-Dichloropropene
Concen: 45.031 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.5	36.7

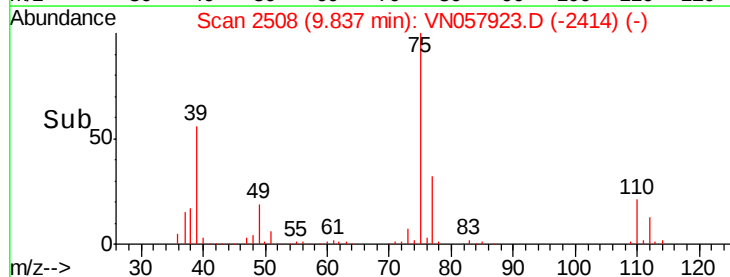
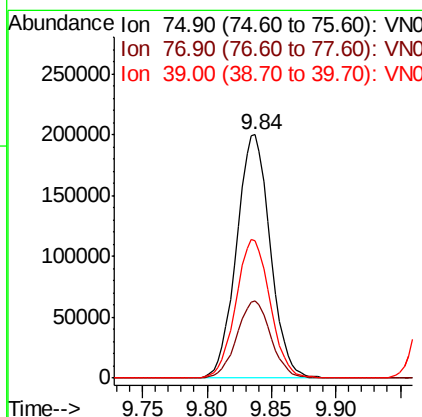
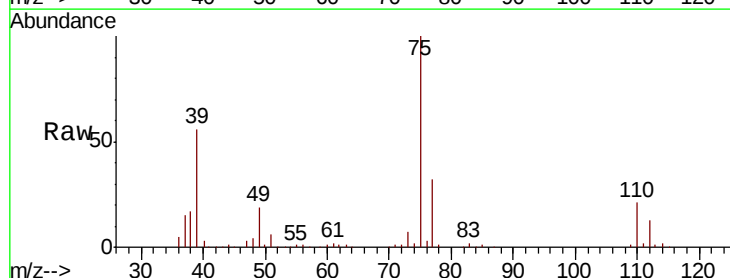
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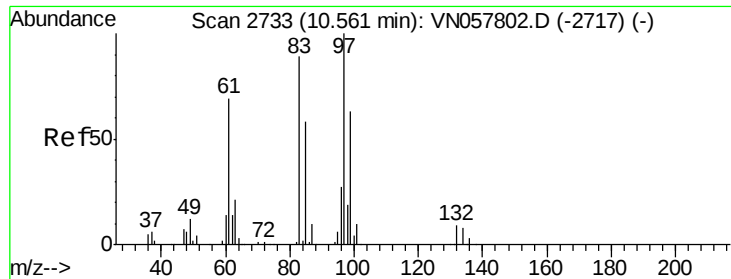
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#54
cis-1,3-Dichloropropene
Concen: 44.514 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2
39	56.3	46.2	69.4





#55

1,1,2-Trichloroethane

Concen: 48.852 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

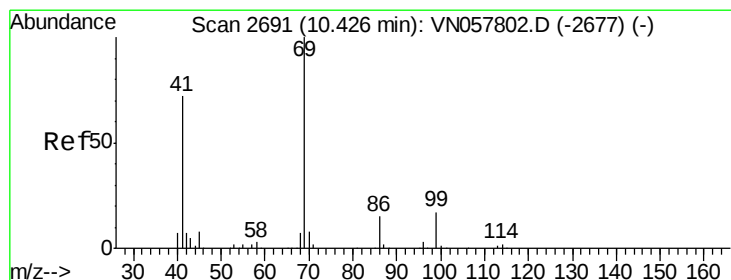
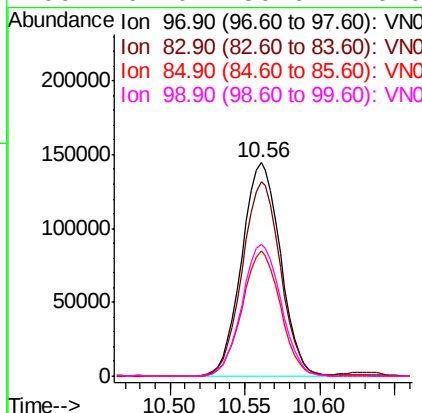
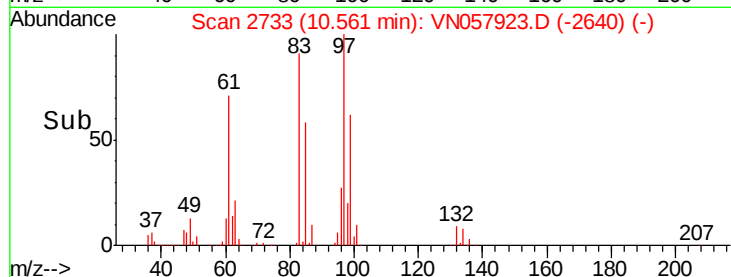
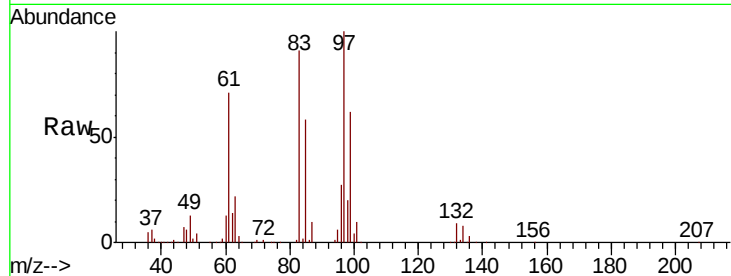
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	261151
Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.8	106.2
85	58.5	46.0	69.0
99	62.0	50.6	76.0

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#56

Ethyl methacrylate

Concen: 50.605 ug/l

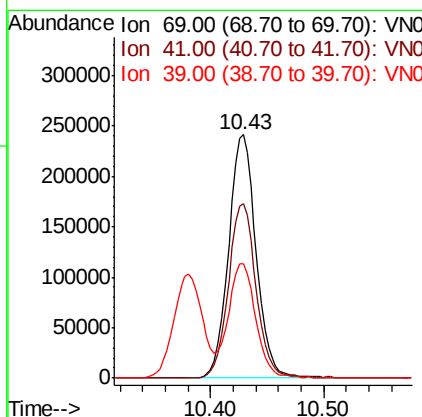
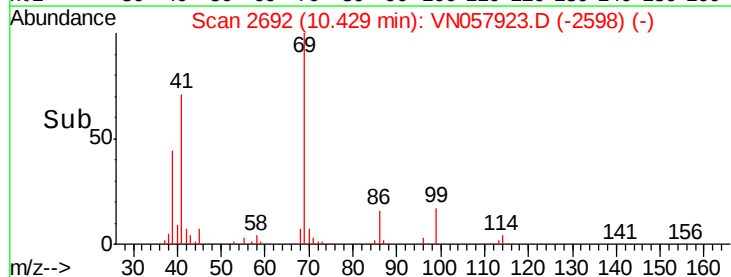
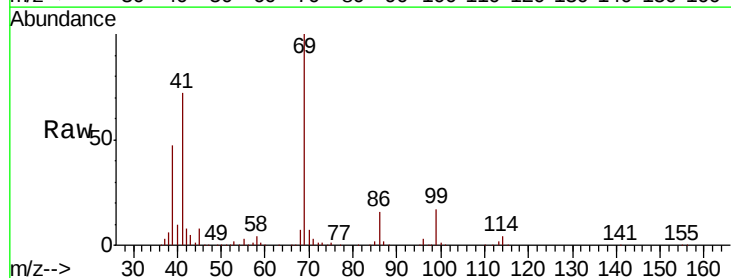
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Tgt Ion:	69	Resp:	407374
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.7	85.1
39	47.0	36.3	54.5





#57

1,3-Dichloropropane

Concen: 49.578 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 456742

Ion Ratio Lower Upper

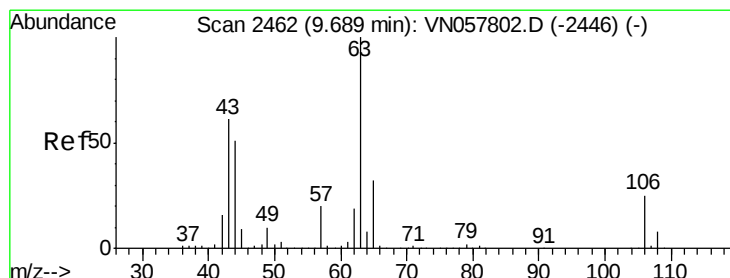
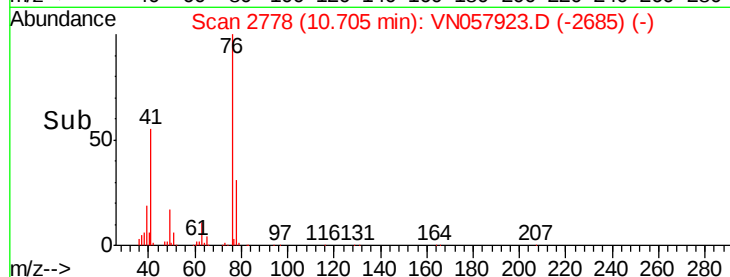
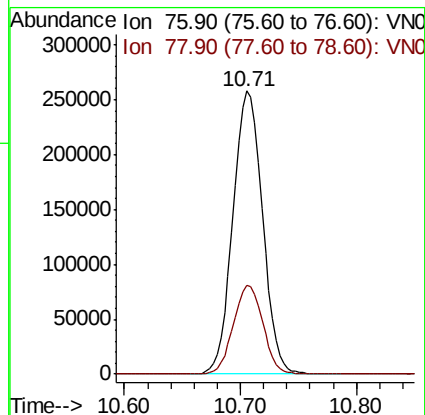
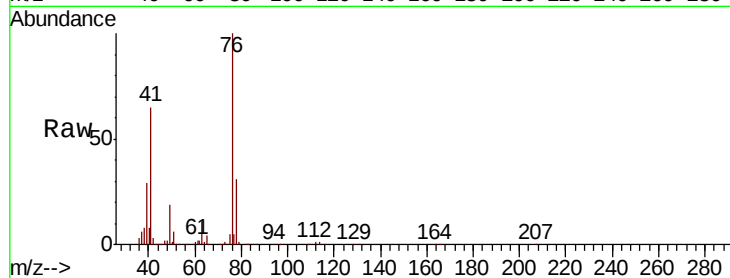
76 100

78 31.5 25.4 38.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 256.829 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057923.D

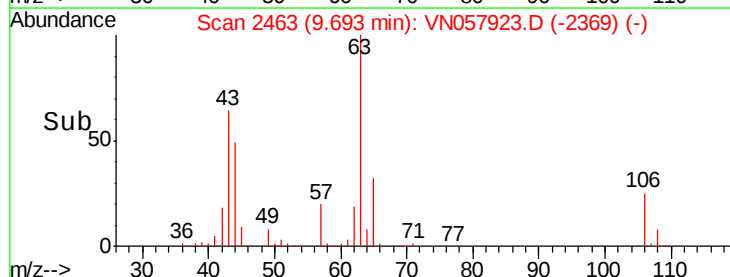
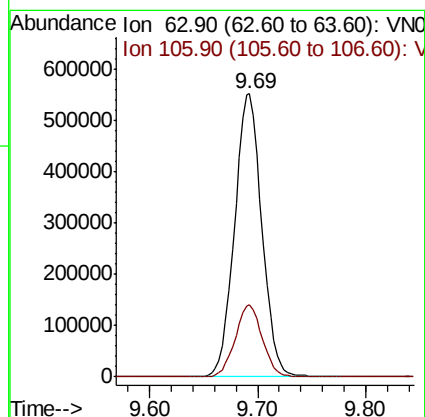
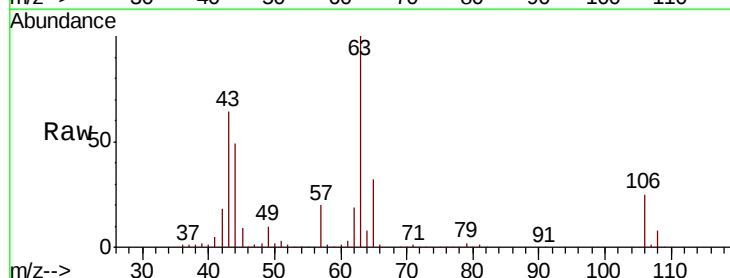
Acq: 11 Sep 2019 14:18

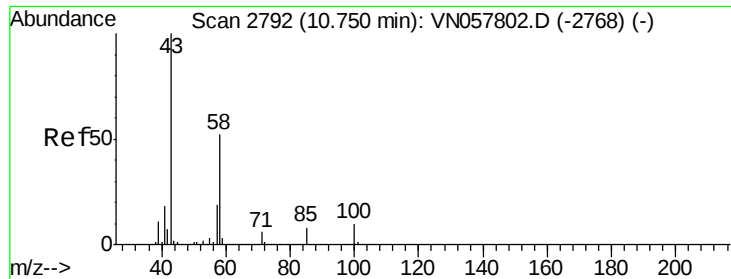
Tgt Ion: 63 Resp: 973775

Ion Ratio Lower Upper

63 100

106 25.4 20.0 30.0





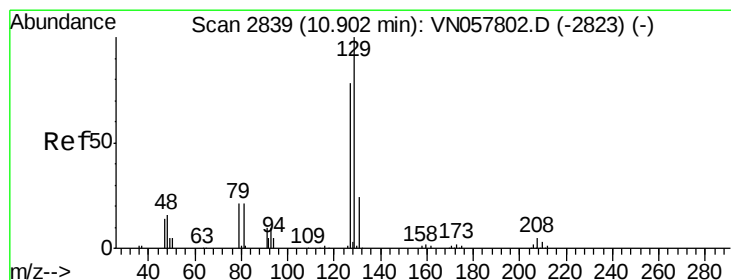
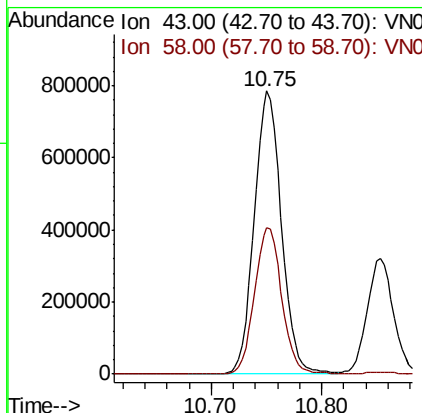
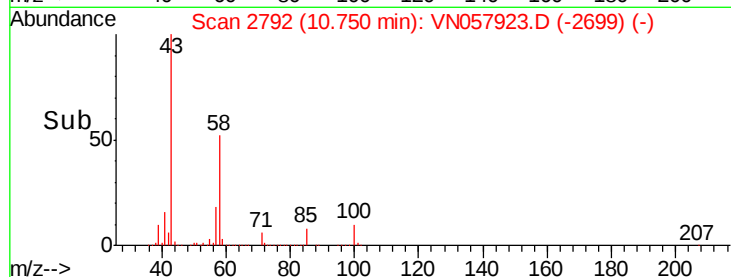
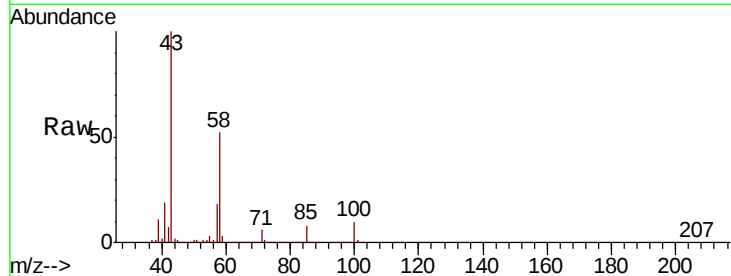
#59
2-Hexanone
Concen: 261.361 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1340545
Ion Ratio Lower Upper
43 100
58 52.0 25.6 76.8

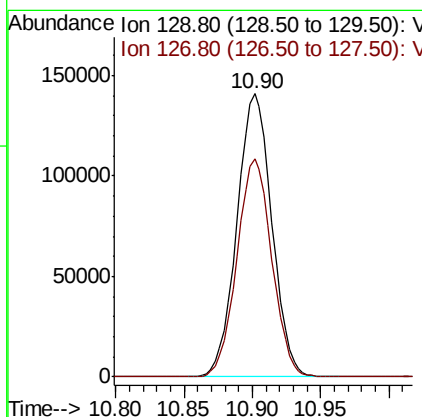
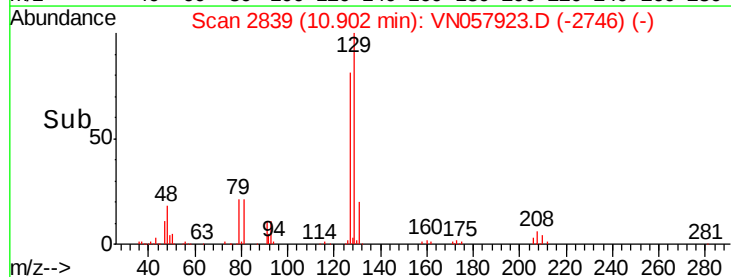
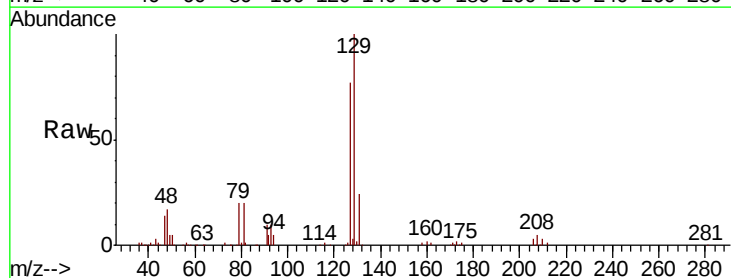
Manual Integrations
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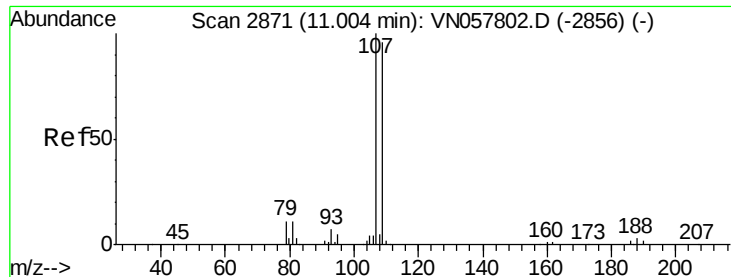
MMDadoda
9/13/2019 7:06:28 AM



#60
Dibromochloromethane
Concen: 50.435 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion: 129 Resp: 250359
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





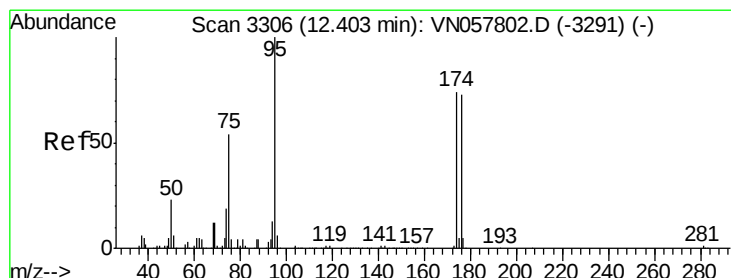
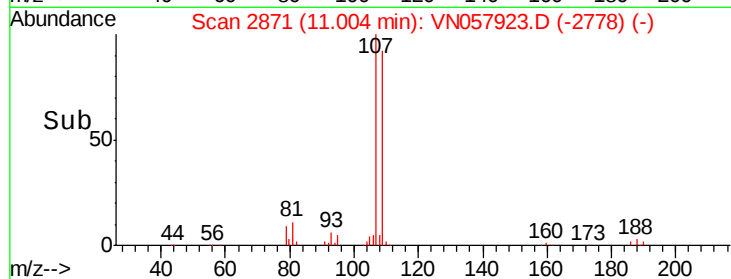
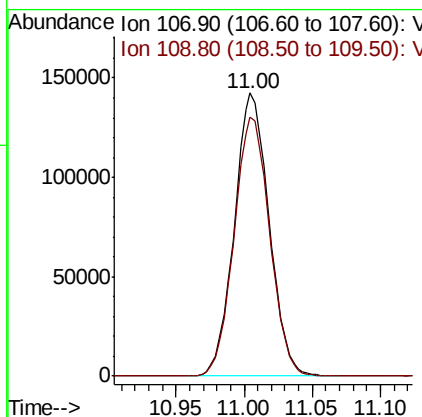
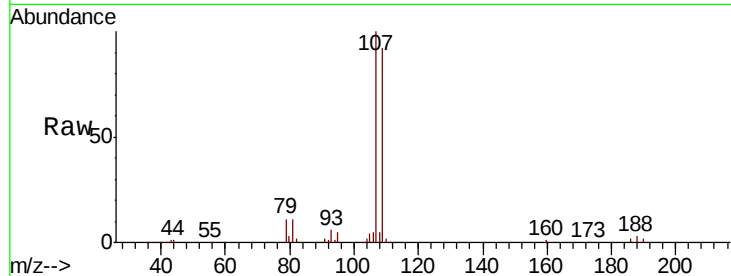
#61
 1,2-Dibromoethane
 Concen: 49.843 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.3	112.9

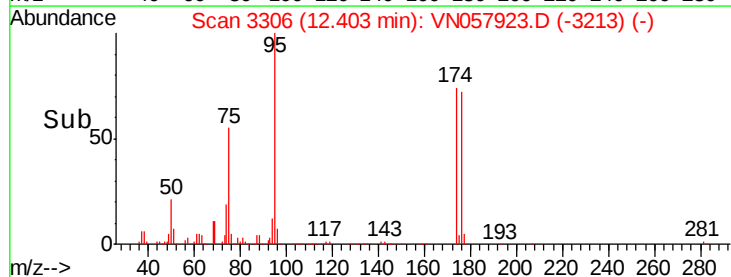
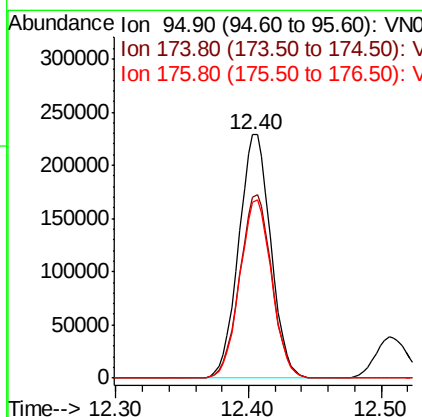
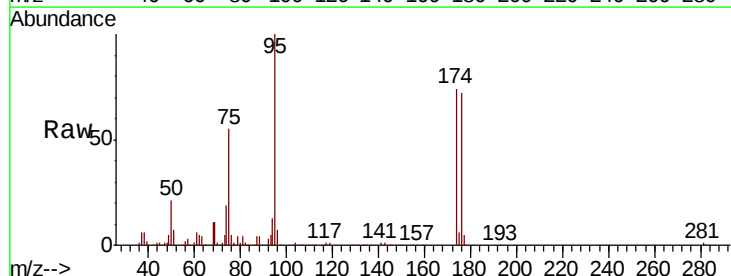
Manual Integrations
 APPROVED

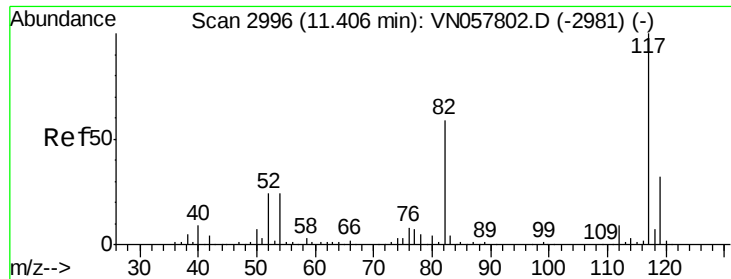
MMDadoda
 9/13/2019 7:06:28 AM



#62
 4-Bromofluorobenzene
 Concen: 49.069 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.2
176	73.0	0.0	146.0





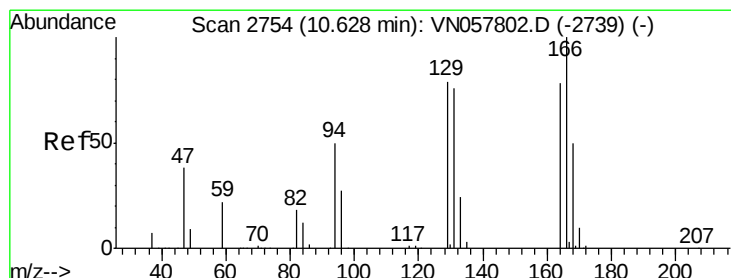
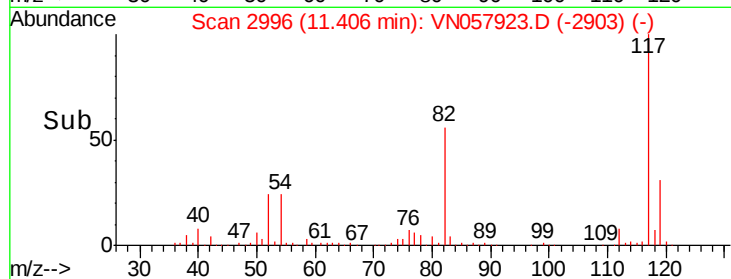
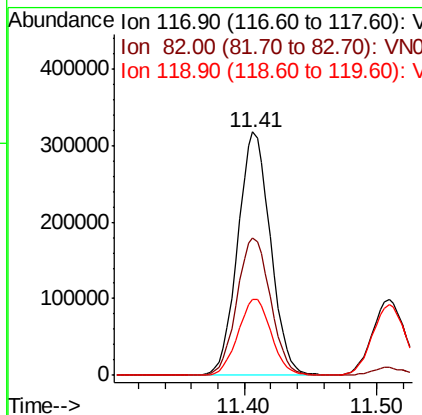
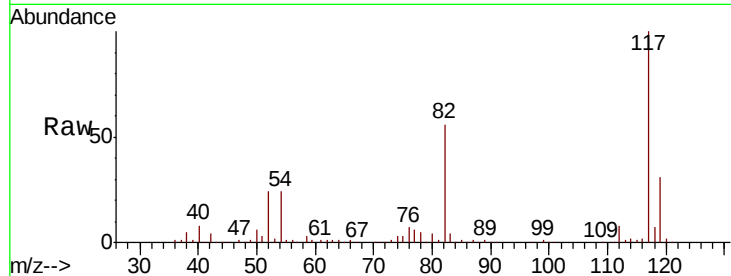
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.2	70.8
119	31.2	25.3	37.9

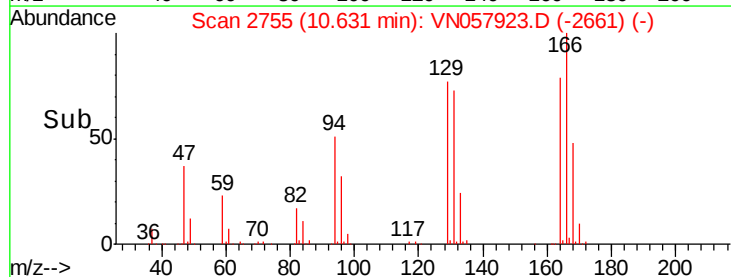
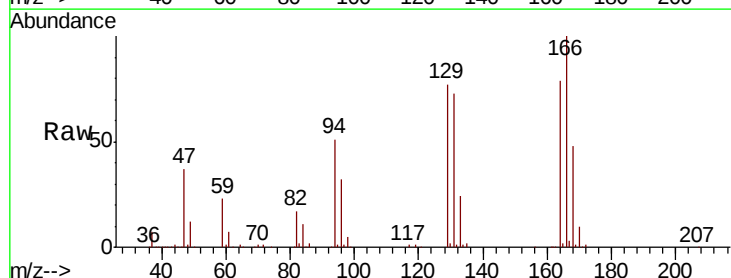
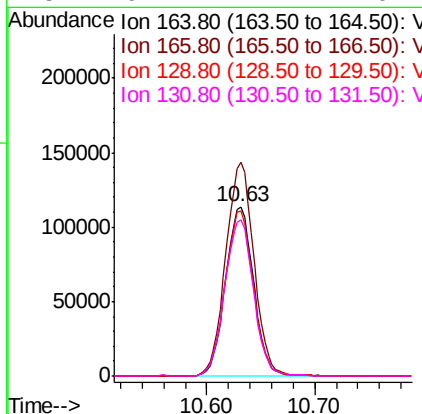
Manual Integrations
APPROVED

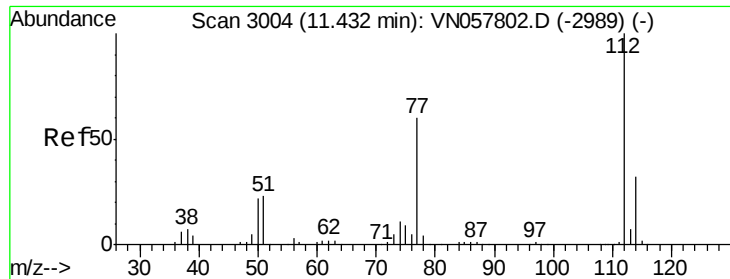
MMDadoda
9/13/2019 7:06:28 AM



#64
Tetrachloroethene
Concen: 51.475 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.2	153.2
129	97.3	80.8	121.2
131	92.1	77.4	116.2





#65

Chlorobenzene

Concen: 47.669 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 677736

Ion Ratio Lower Upper

112 100

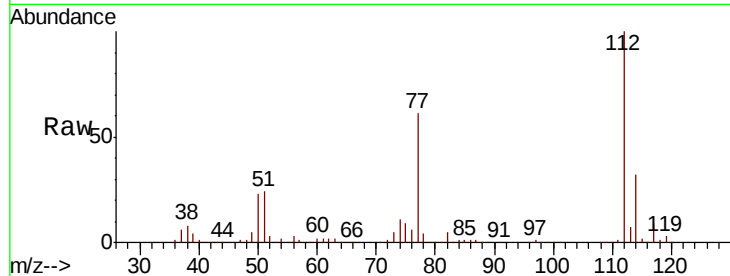
114 31.9 25.2 37.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

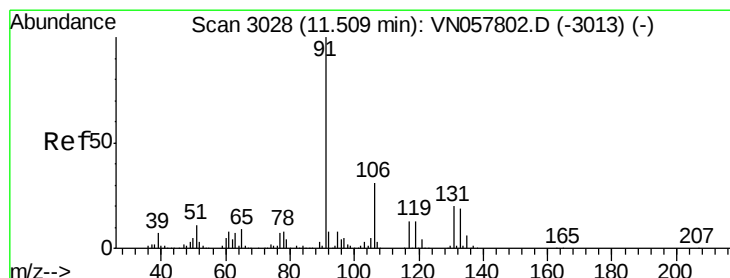
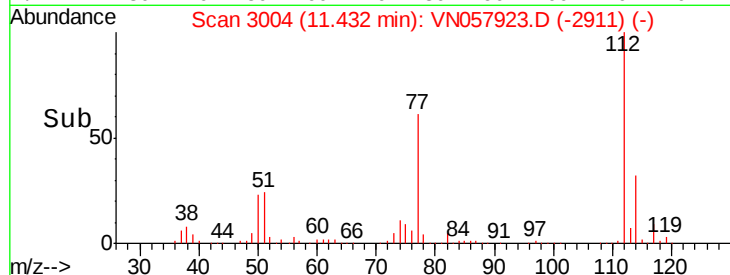
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.829 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

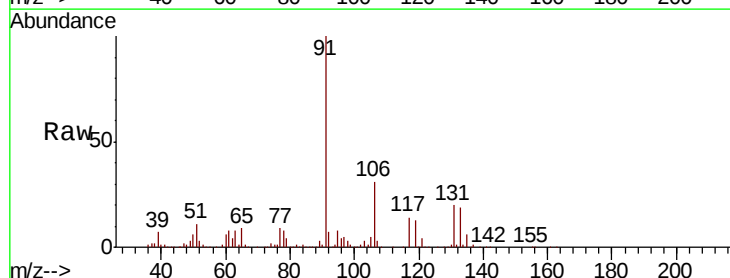
Tgt Ion:131 Resp: 245825

Ion Ratio Lower Upper

131 100

133 96.9 47.1 141.3

119 65.9 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

200000

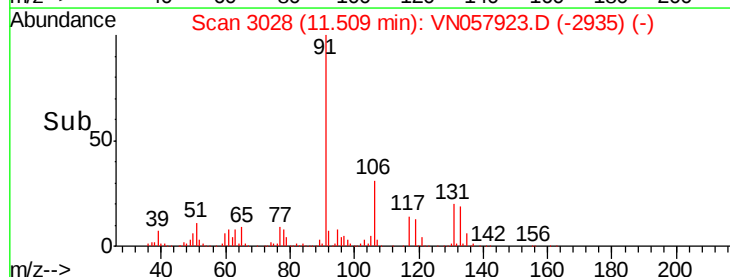
150000

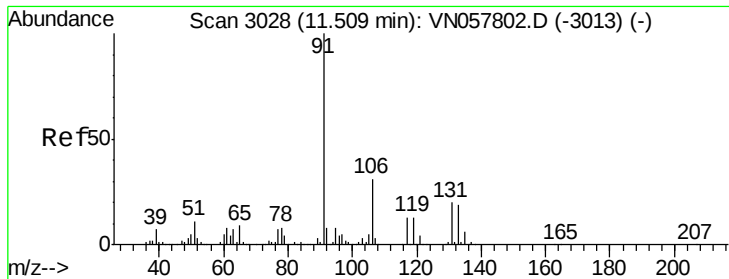
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 49.559 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 1234856

Ion Ratio Lower Upper

91 100

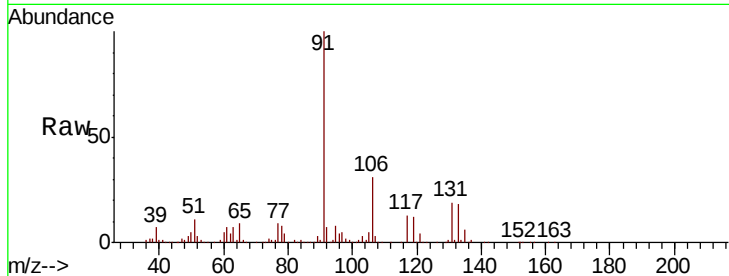
106 30.7 24.4 36.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN057802.D (-3013) (-)

1000000

800000

600000

400000

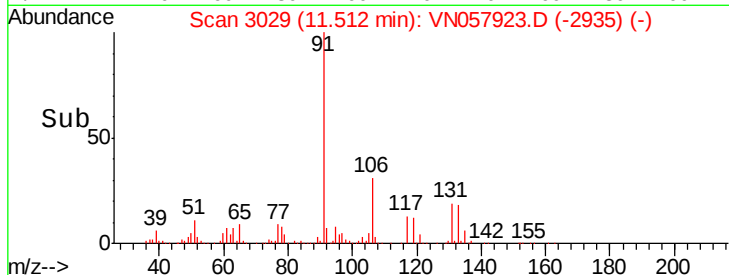
200000

0

11.40

11.50

11.60



Abundance Ion 91.00 (90.70 to 91.70): VN057923.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN057923.D (-2935) (-)

1000000

800000

600000

400000

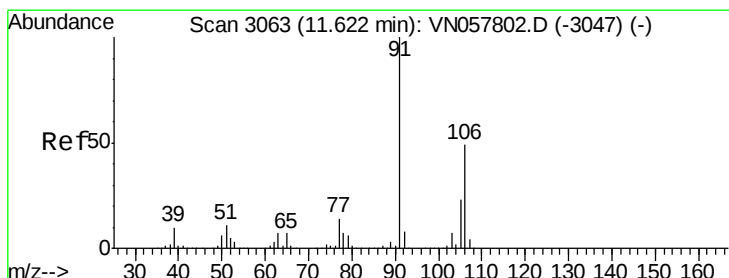
200000

0

11.40

11.50

11.60



#68

m/p-Xylenes

Concen: 99.605 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057923.D

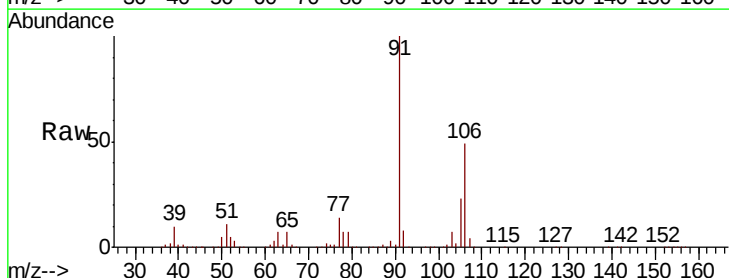
Acq: 11 Sep 2019 14:18

Tgt Ion: 106 Resp: 909094

Ion Ratio Lower Upper

106 100

91 204.8 165.8 248.6



Abundance Ion 106.00 (105.70 to 106.70): VN057802.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-3047) (-)

1000000

800000

600000

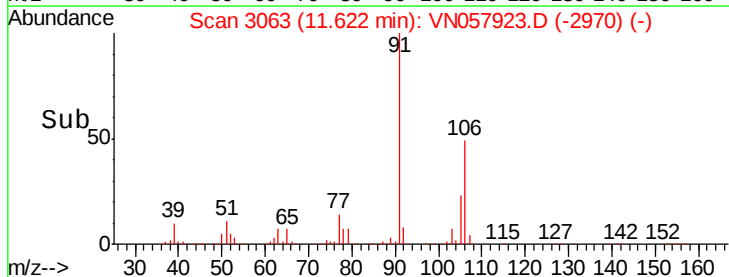
400000

200000

0

11.60

11.70



Abundance Ion 106.00 (105.70 to 106.70): VN057923.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN057923.D (-2970) (-)

1000000

800000

600000

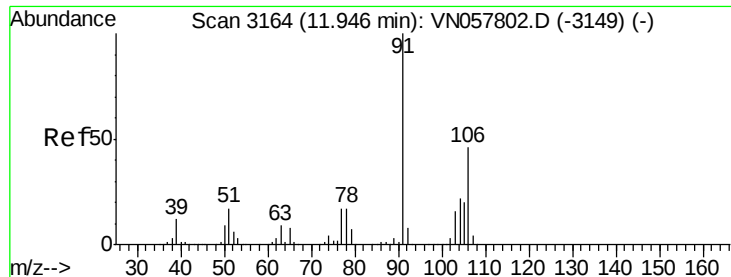
400000

200000

0

11.60

11.70



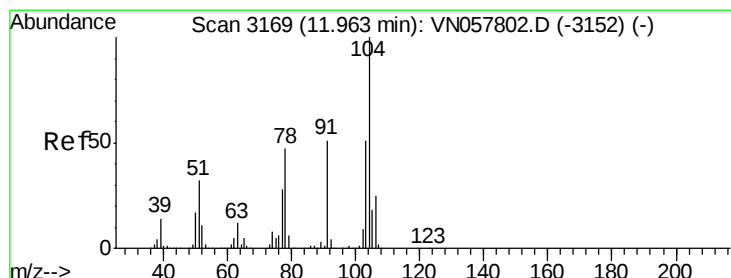
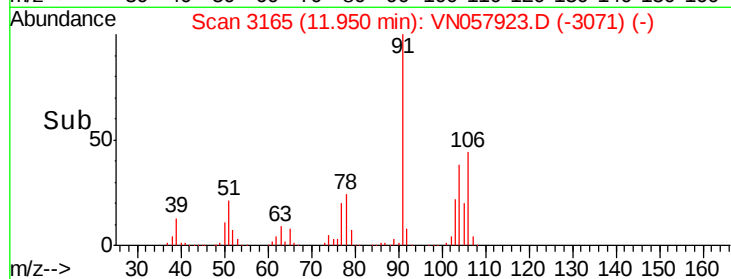
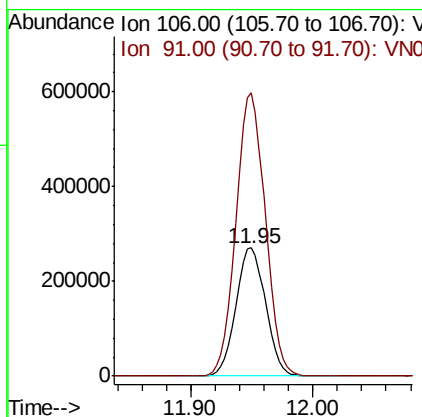
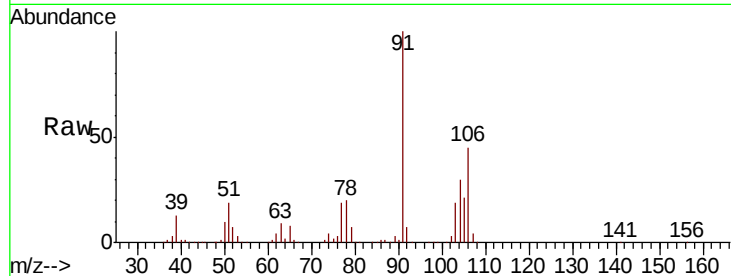
#69
o-Xylene
Concen: 50.099 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	218.6	108.7	454579	326.1	

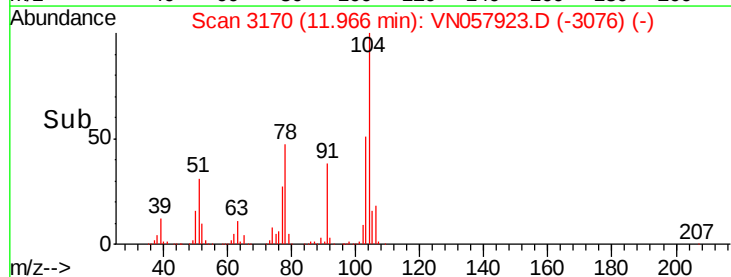
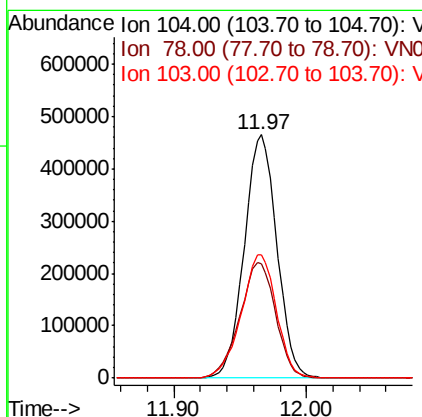
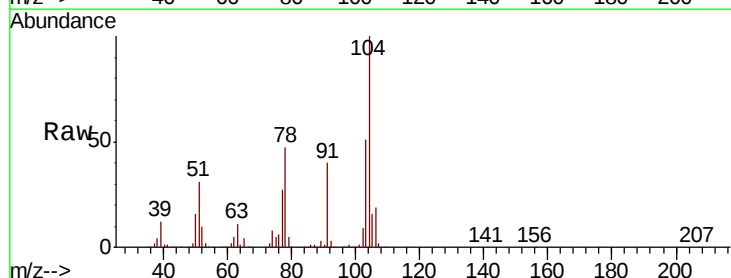
Manual Integrations
APPROVED

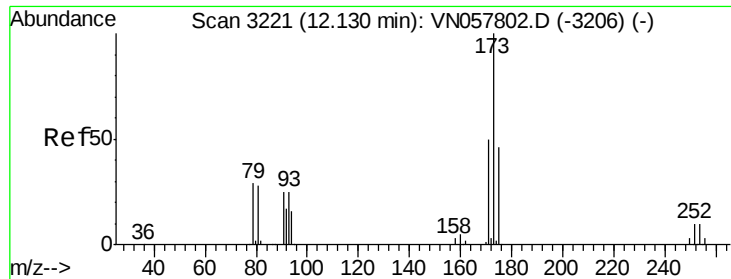
MMDadoda
9/13/2019 7:06:28 AM



#70
Styrene
Concen: 50.950 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.2	41.3	795603	61.9	
103	54.5	43.7		65.5	





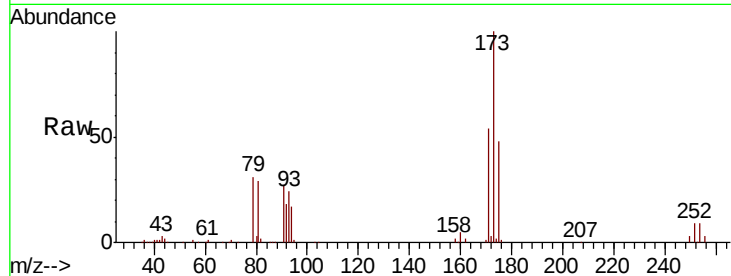
#71
Bromoform
Concen: 51.196 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot 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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9/13/2019 7:06:28 AM

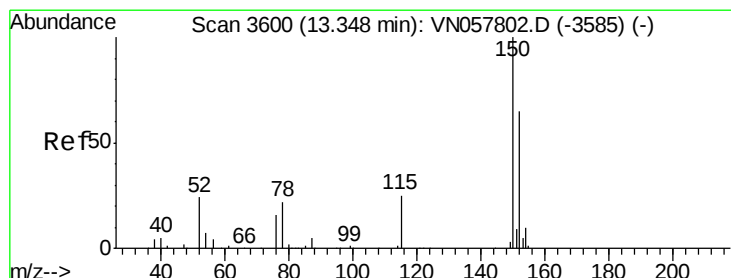
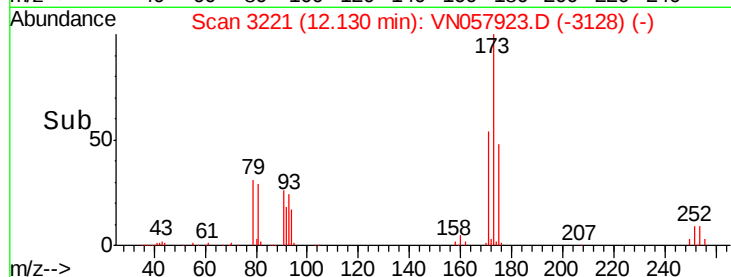
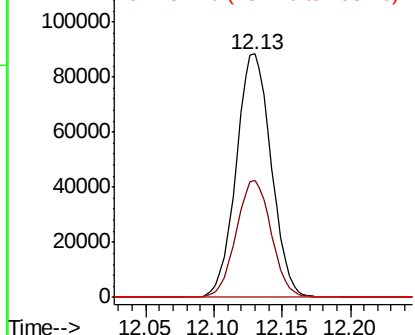


Abundance

Ion 172.70 (172.40 to 173.40): V

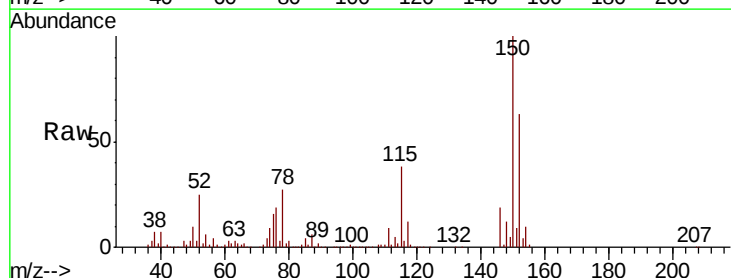
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.3	91.0
150	173.5	0.0	352.4

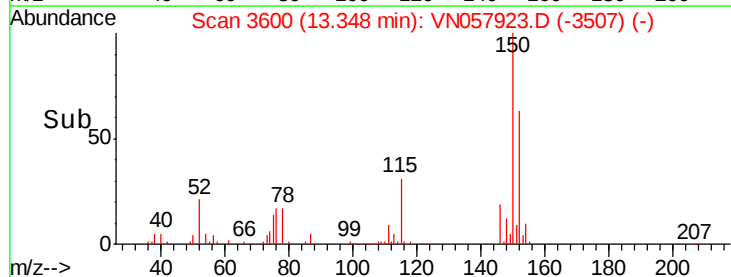
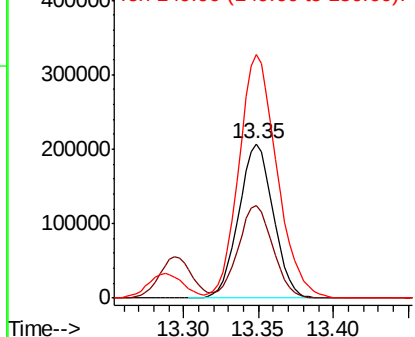


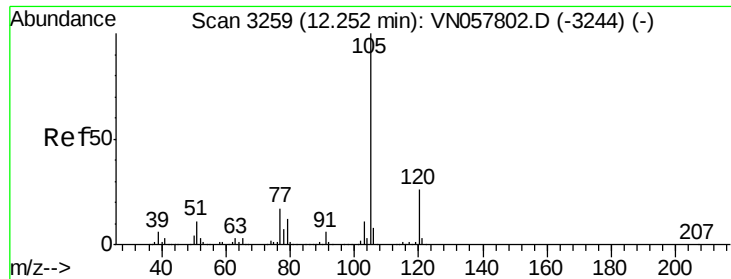
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





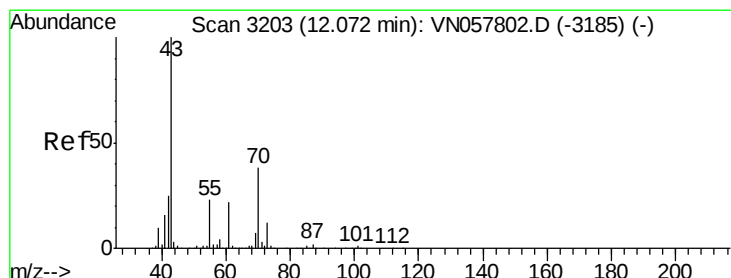
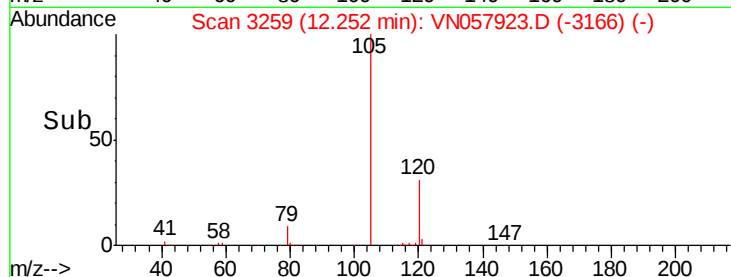
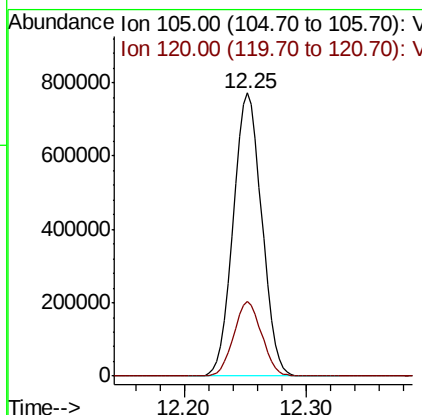
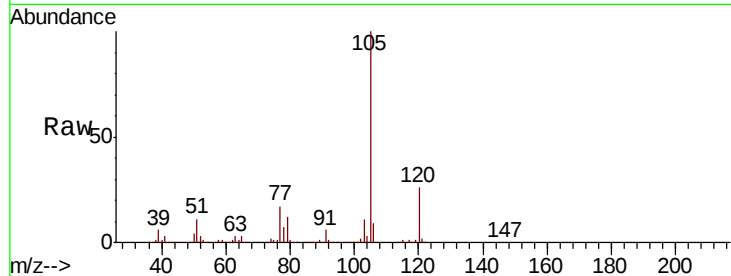
#73
Isopropylbenzene
Concen: 48.319 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1248243
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4

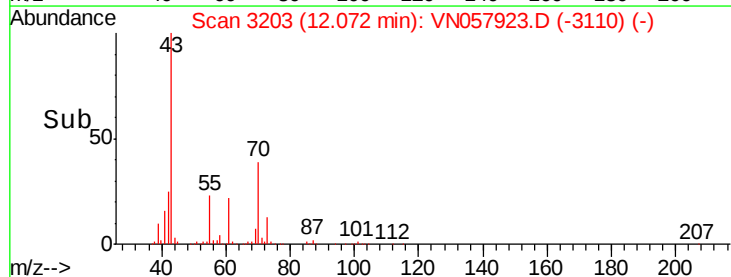
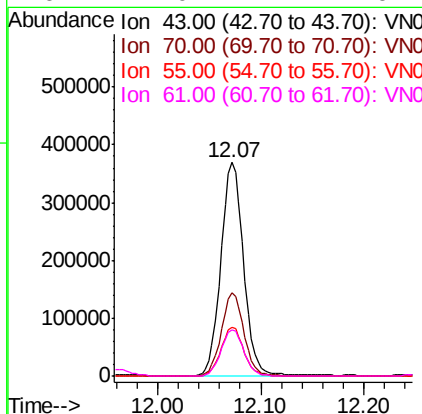
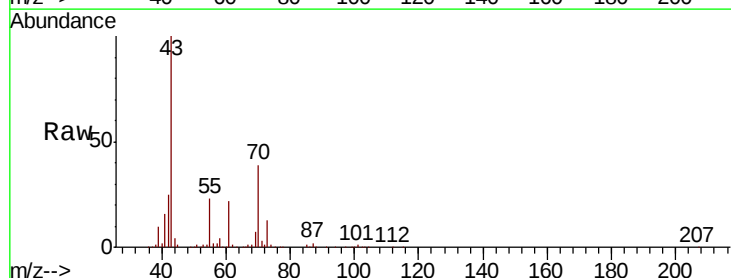
Manual Integrations
APPROVED

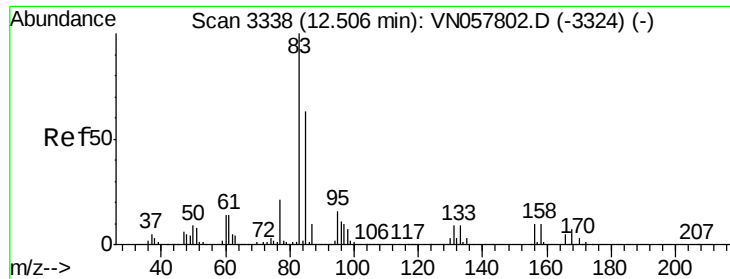
MMDadoda
9/13/2019 7:06:28 AM



#74
N-ethyl acetate
Concen: 50.266 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion: 43 Resp: 565126
Ion Ratio Lower Upper
43 100
70 38.8 30.6 45.8
55 23.1 18.6 27.8
61 22.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.347 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

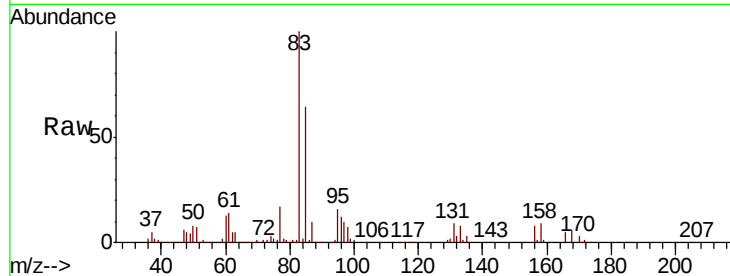
ClientSampleId :

VSTDCCC050EC

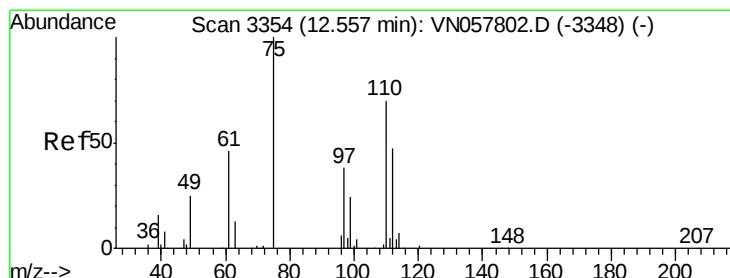
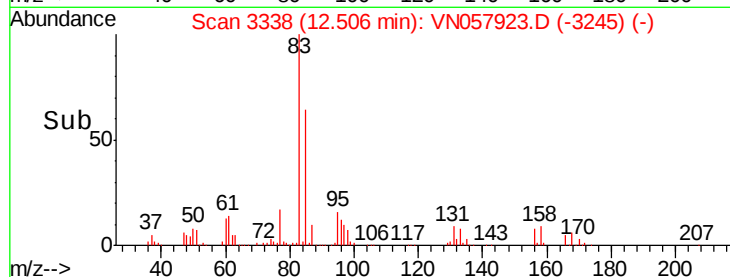
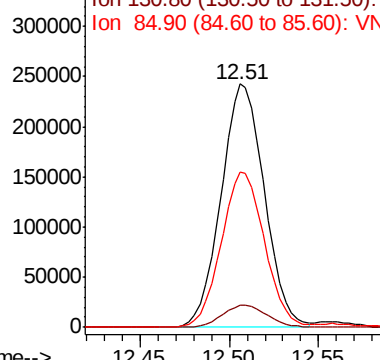
Tot Ion:	83	Resp:	411830
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.5	31.6	94.7

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Abundance Ion 82.90 (82.60 to 83.60): VN057923.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 45.406 ug/l m

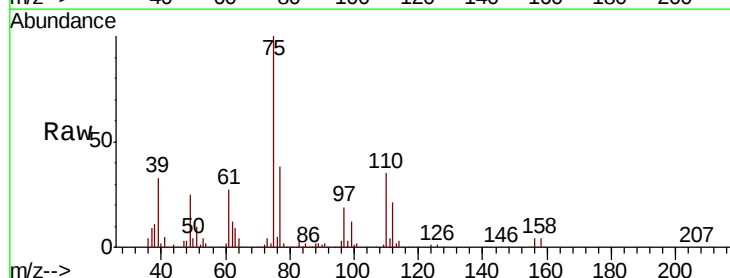
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

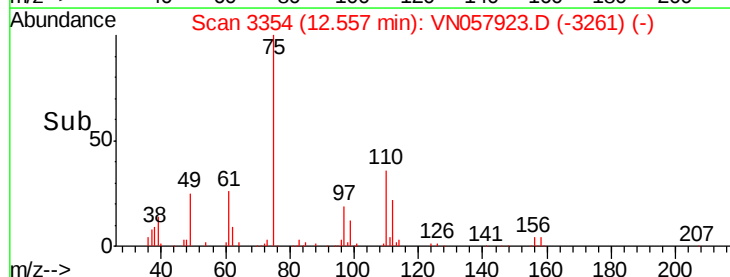
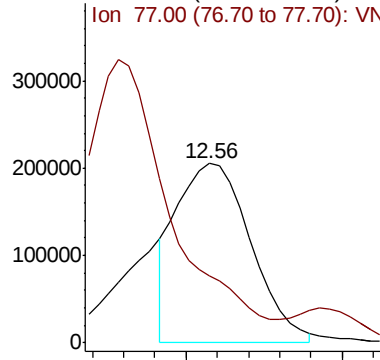
Lab File: VN057923.D

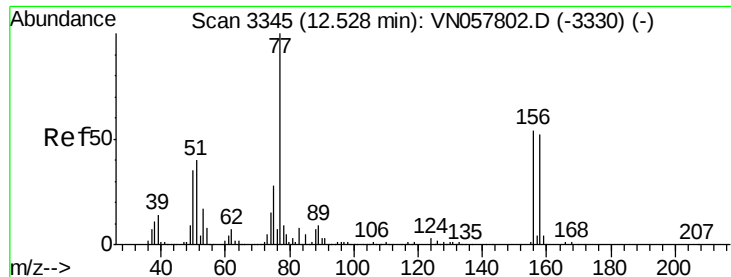
Acq: 11 Sep 2019 14:18

Tgt Ion:	75	Resp:	341961
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057923.D (-3261) (-)





#77

Bromobenzene

Concen: 45.887 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

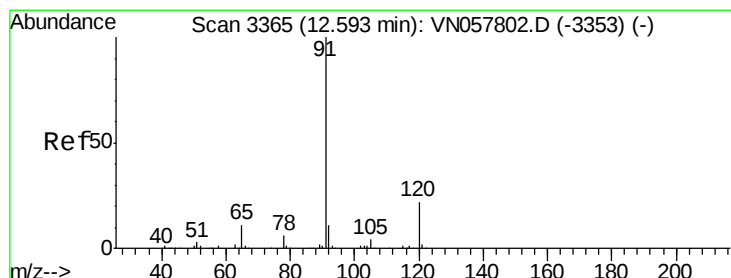
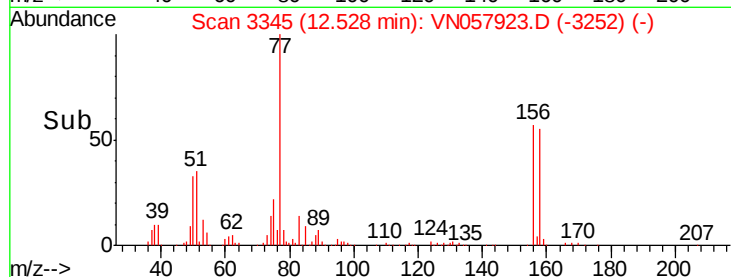
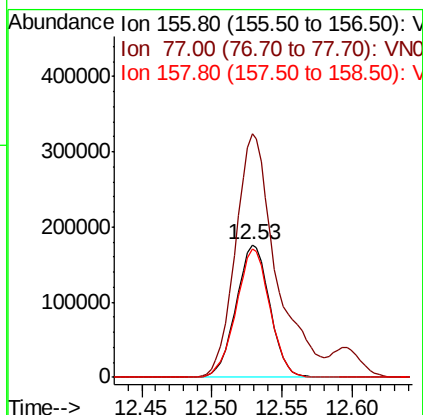
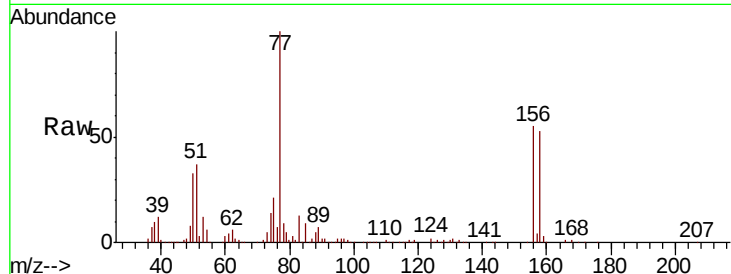
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	295547
Ion Ratio	Lower	Upper	
156	100		
77	221.1	113.7	341.1
158	96.6	48.5	145.6

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#78

n-propylbenzene

Concen: 49.264 ug/l

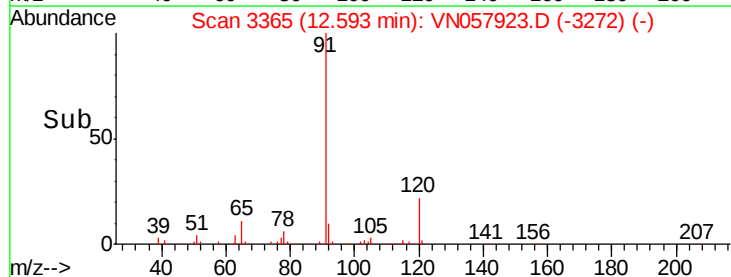
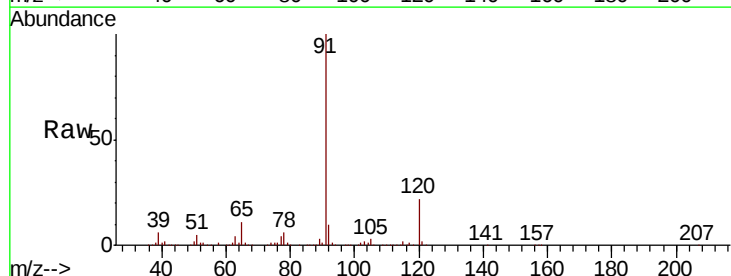
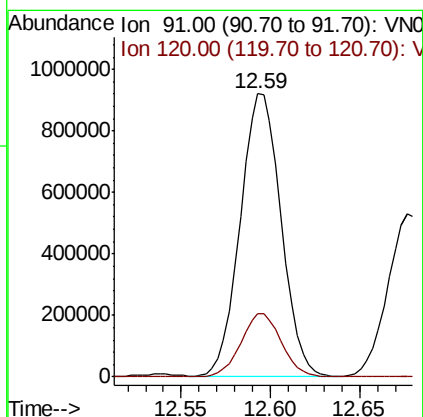
RT: 12.59 min Scan# 3365

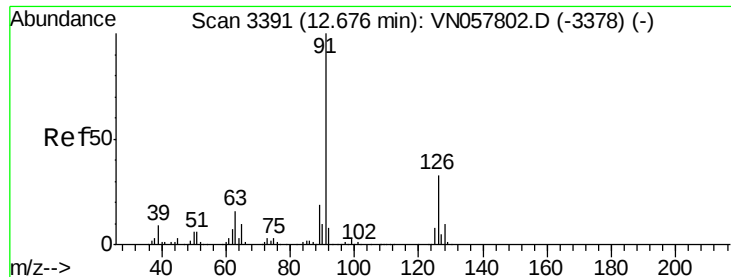
Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Tgt Ion:	91	Resp:	1461401
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 46.523 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 872255

Ion Ratio Lower Upper

91 100

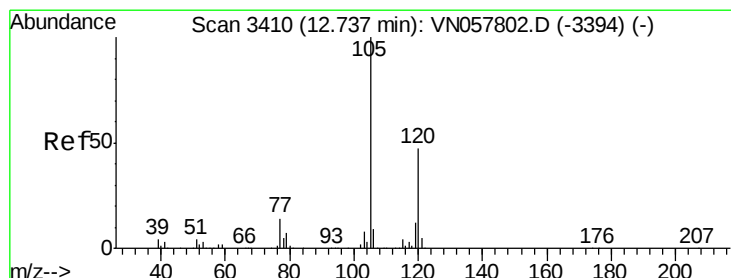
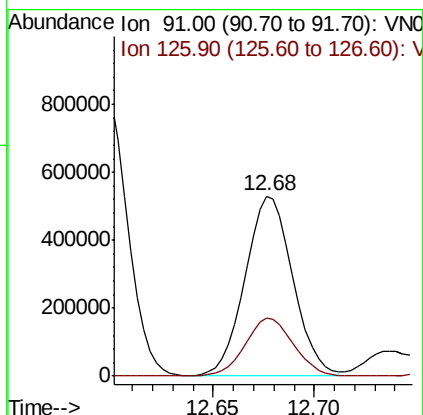
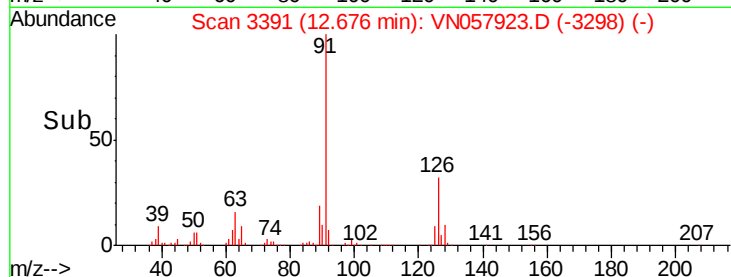
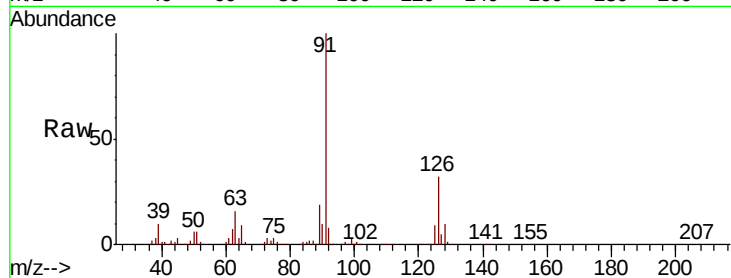
126 32.8 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 49.084 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057923.D

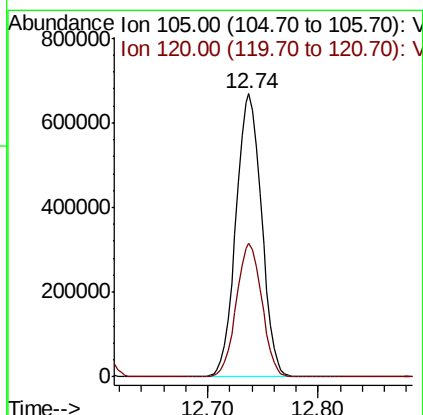
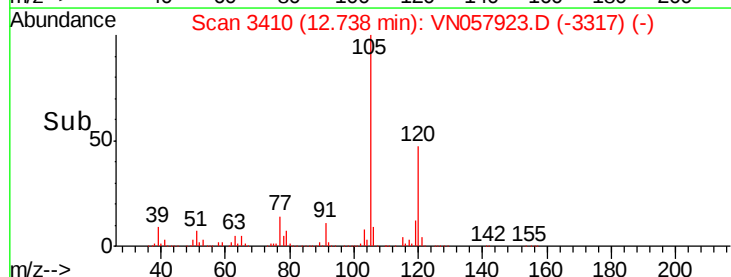
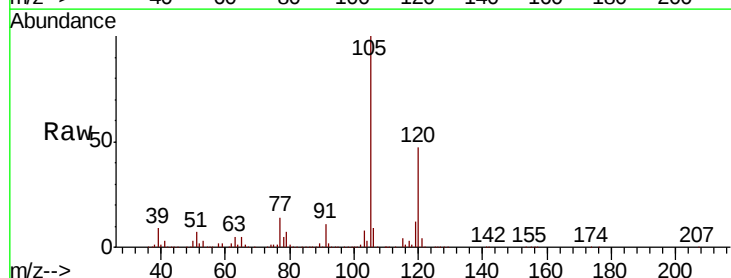
Acq: 11 Sep 2019 14:18

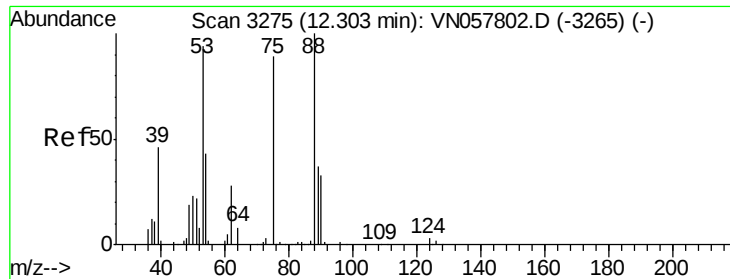
Tgt Ion: 105 Resp: 1071381

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





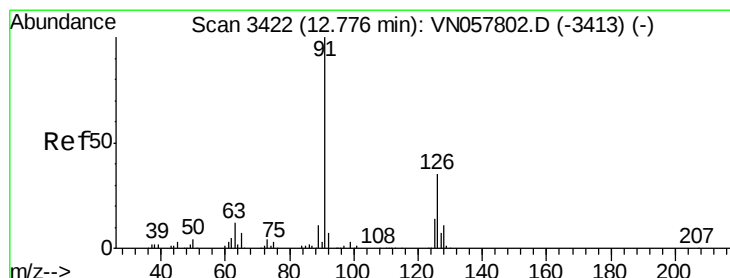
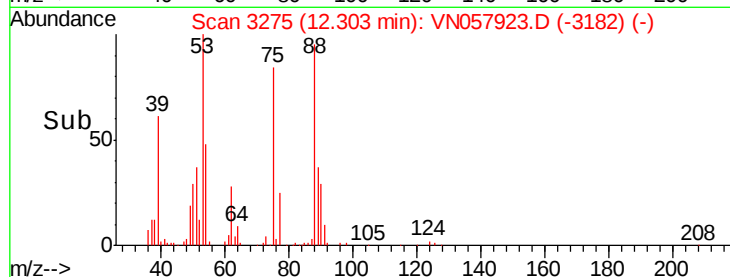
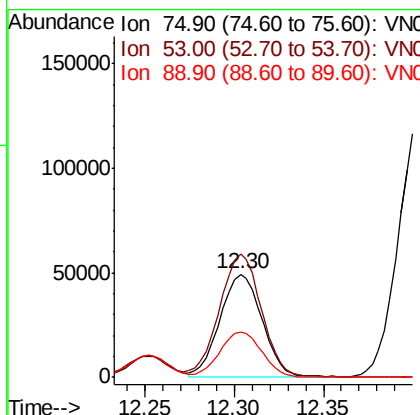
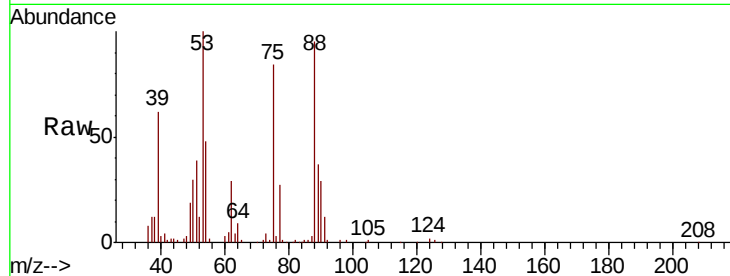
#81
trans-1,4-Dichloro-2-butene
Concen: 37.356 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.2	88.4	132.6
89	44.8	35.3	52.9

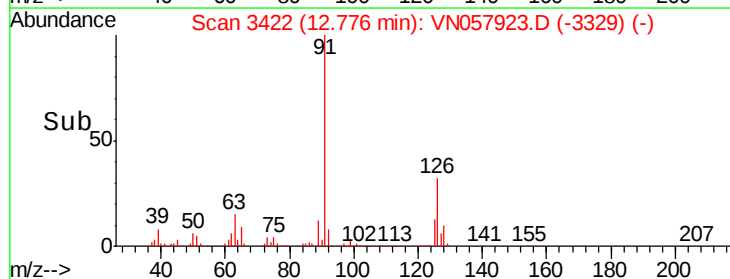
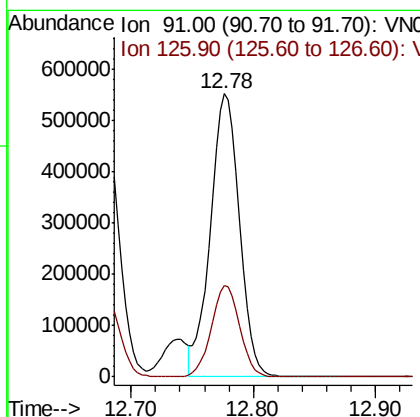
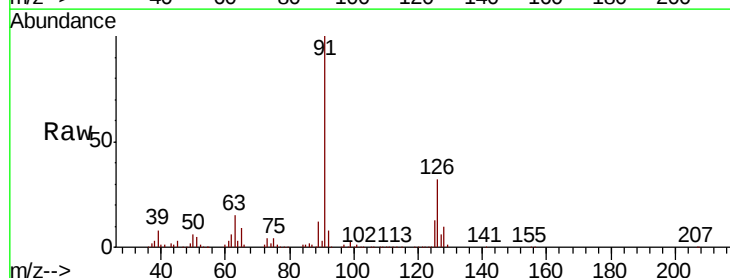
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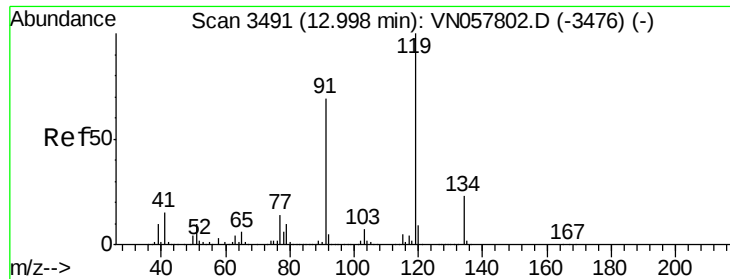
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#82
4-Chlorotoluene
Concen: 47.788 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.0	48.0





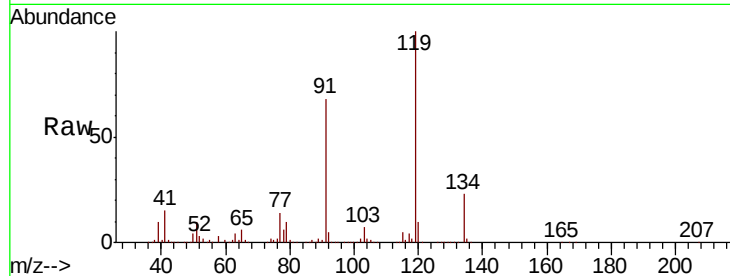
#83
 tert-Butylbenzene
 Concen: 47.680 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

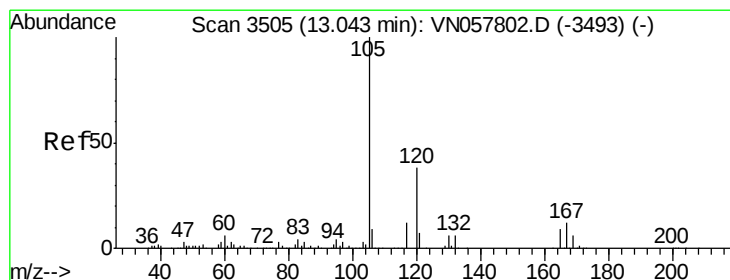
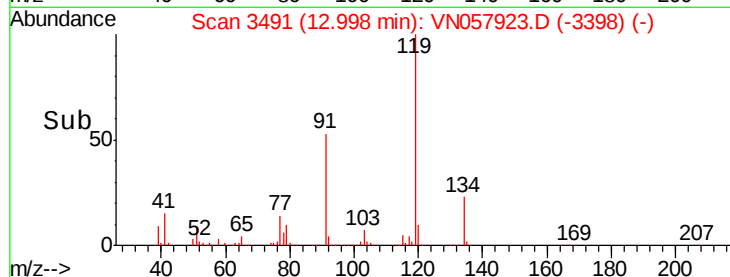
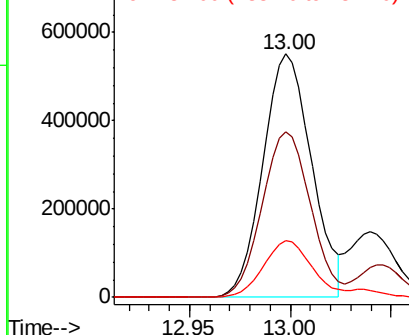
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.6	100.8
134	23.2	11.7	35.0

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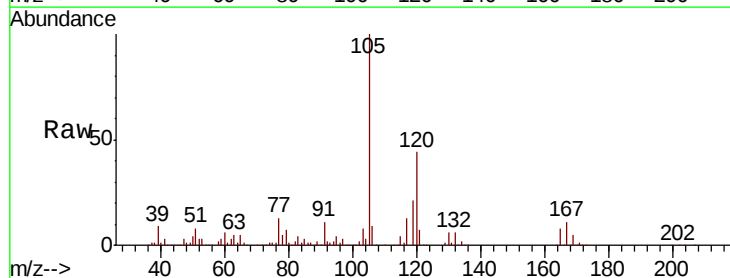


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

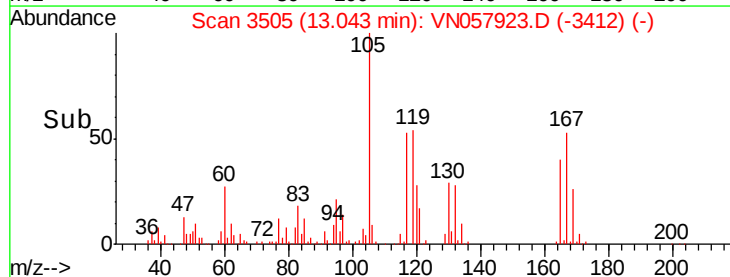
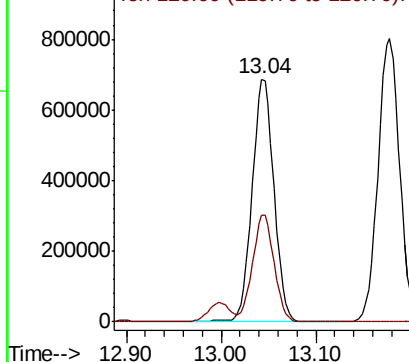


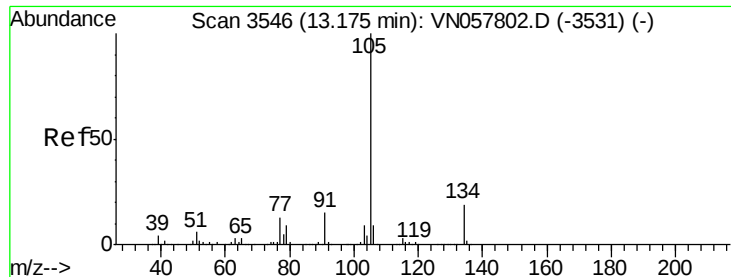
#84
 1,2,4-Trimethylbenzene
 Concen: 49.580 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.4	67.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.106 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1262846

Ion Ratio Lower Upper

105 100

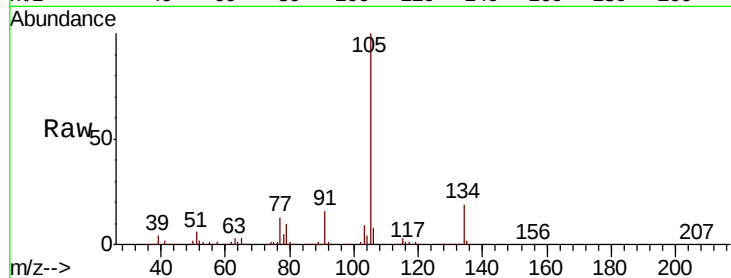
134 19.3 9.6 28.6

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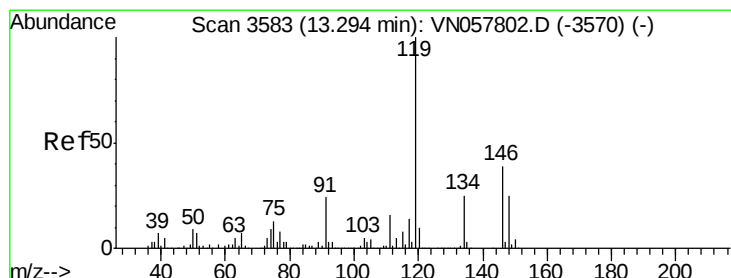
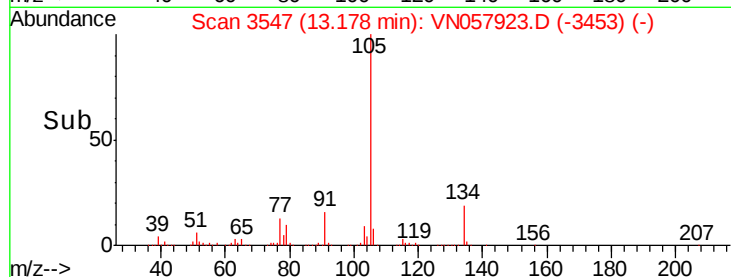
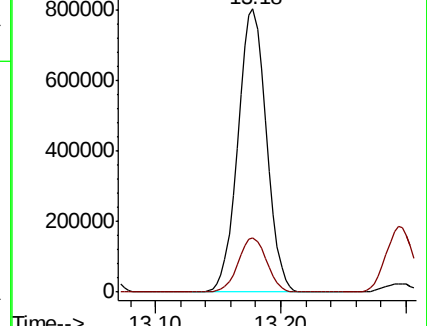
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.990 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

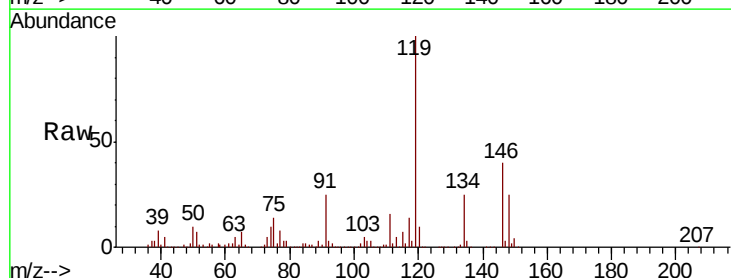
Tgt Ion:119 Resp: 1132728

Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

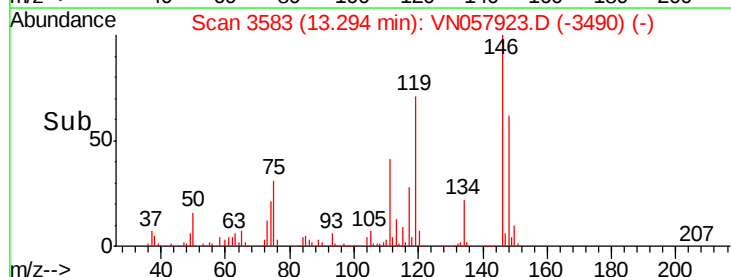
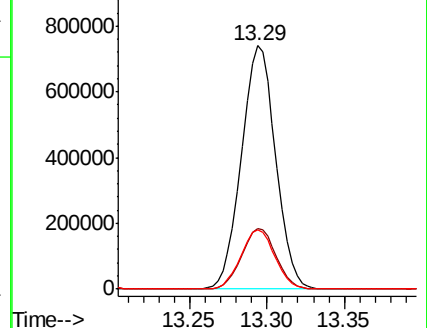
91 24.4 12.3 36.8

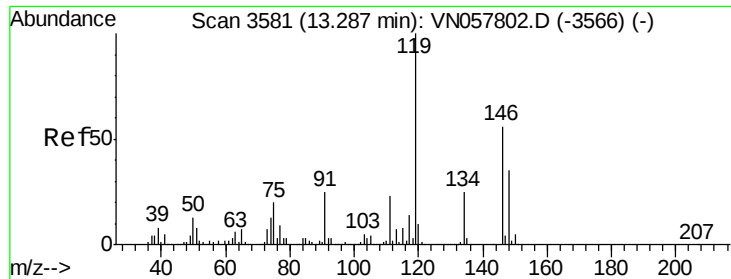


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





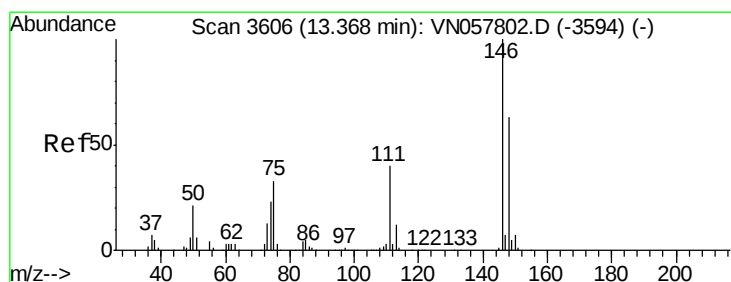
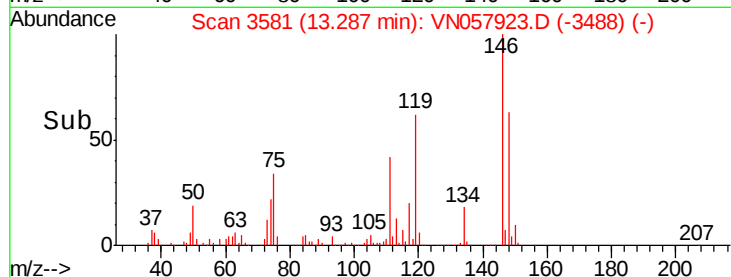
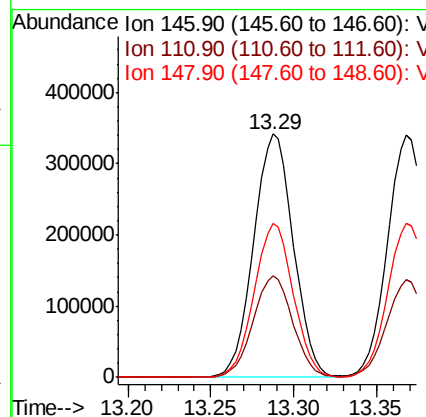
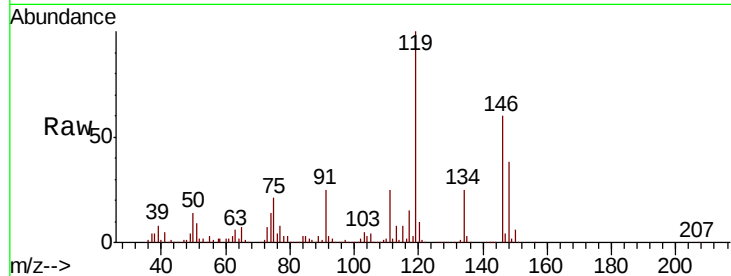
#87
 1,3-Dichlorobenzene
 Concen: 48.089 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	568520		
111	41.6	20.5	61.6	
148	62.1	31.5	94.5	

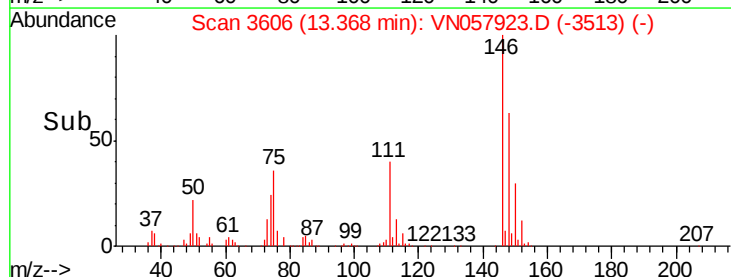
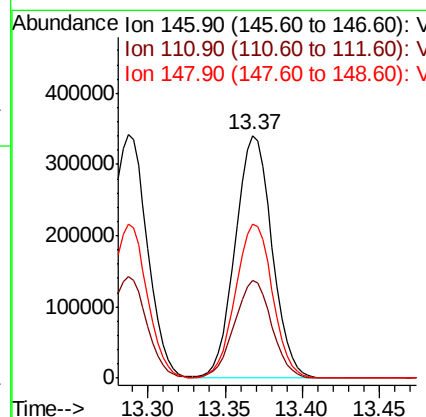
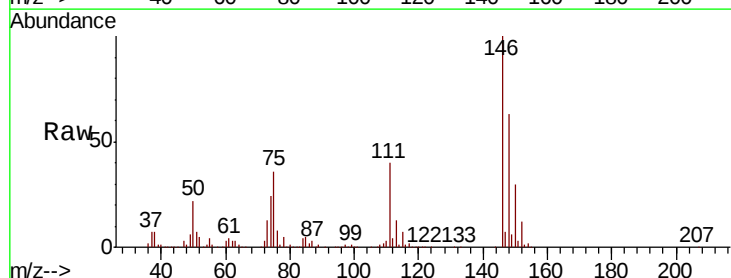
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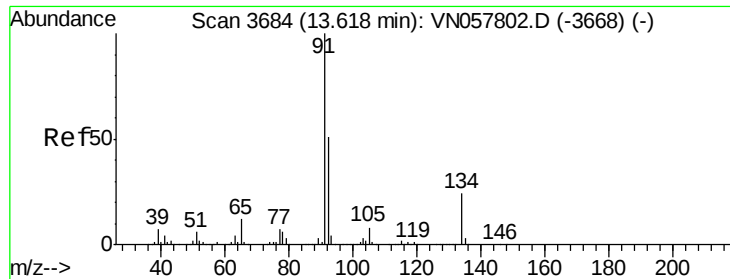
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#88
 1,4-Dichlorobenzene
 Concen: 46.663 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	559961		
111	40.6	20.4	61.2	
148	63.9	31.8	95.4	





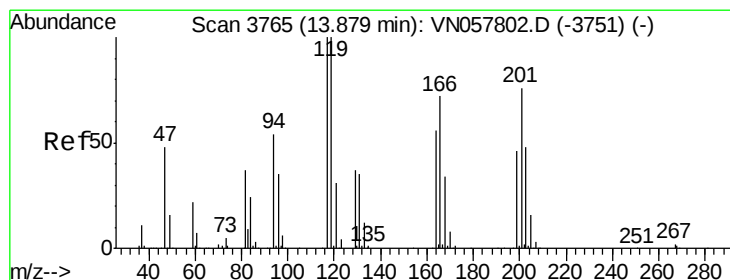
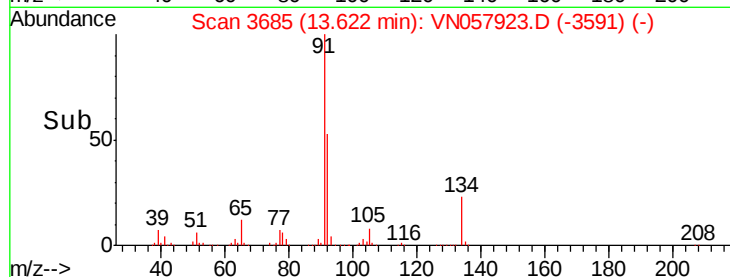
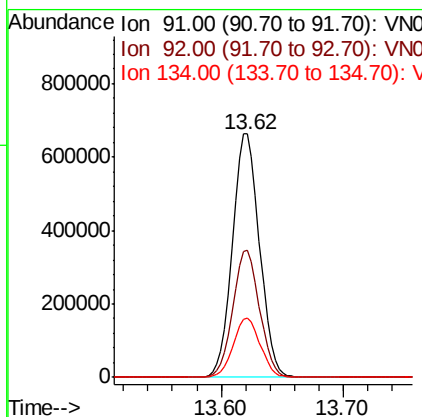
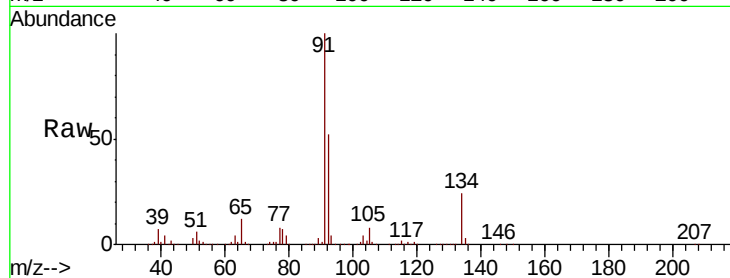
#89
n-Butylbenzene
Concen: 47.758 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1021957
Ion Ratio Lower Upper
91 100
92 51.7 25.7 77.0
134 24.3 11.9 35.7

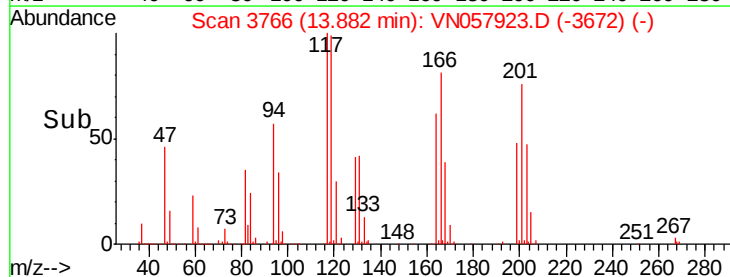
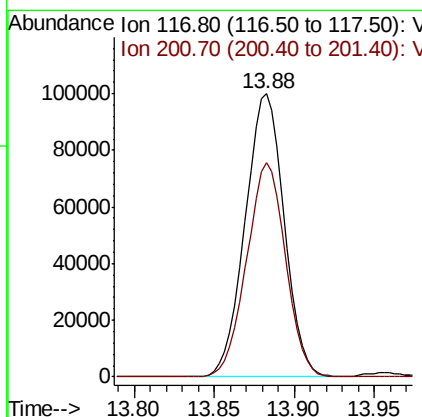
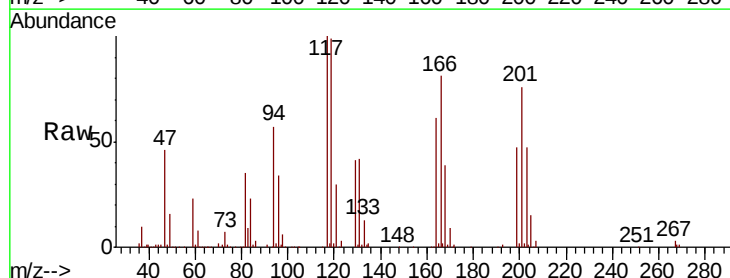
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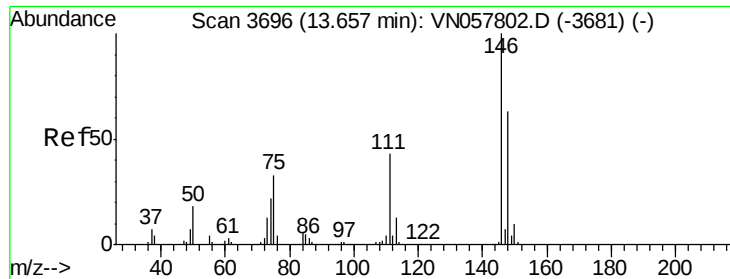
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#90
Hexachloroethane
Concen: 49.648 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057923.D
Acq: 11 Sep 2019 14:18

Tgt Ion: 117 Resp: 167309
Ion Ratio Lower Upper
117 100
201 75.4 37.5 112.7





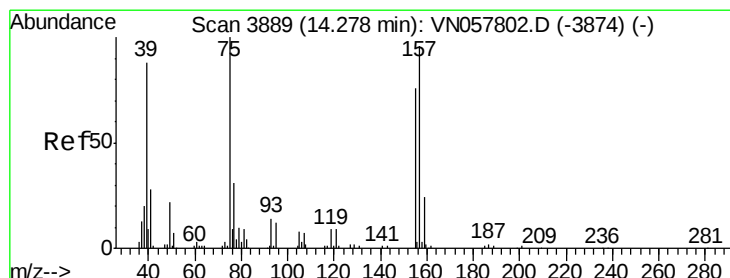
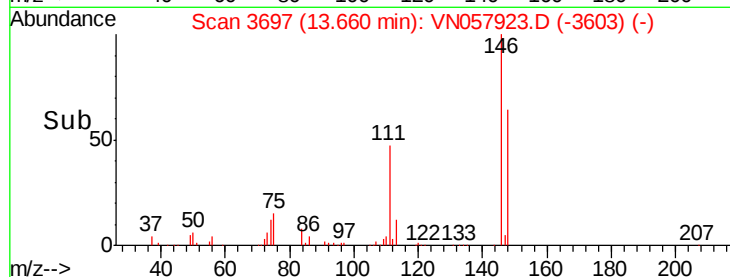
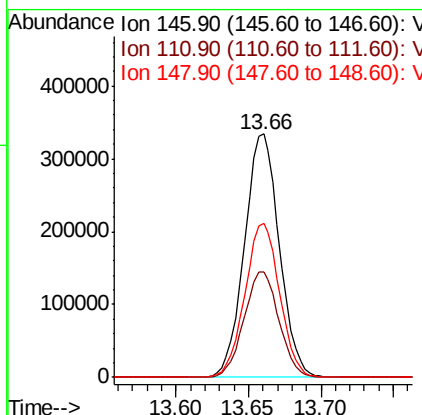
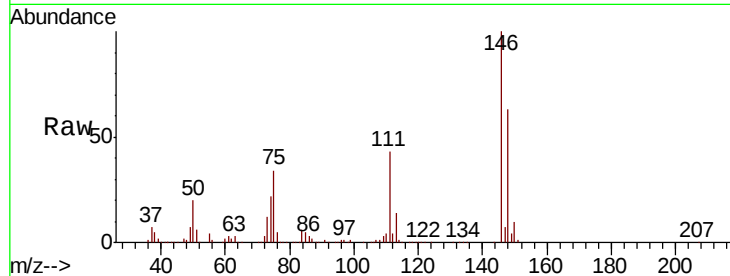
#91
 1,2-Dichlorobenzene
 Concen: 47.378 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.1	31.4	94.3

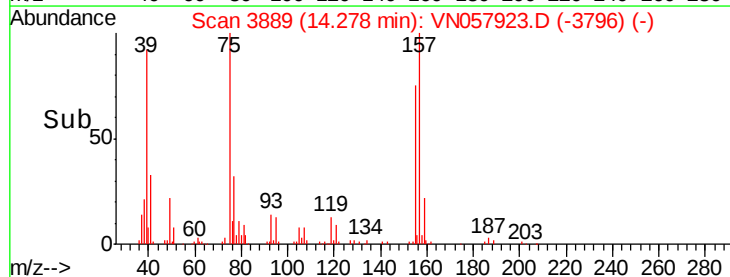
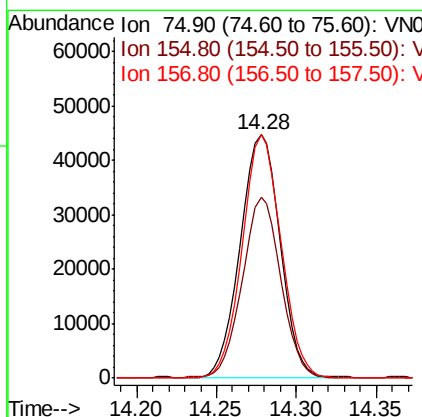
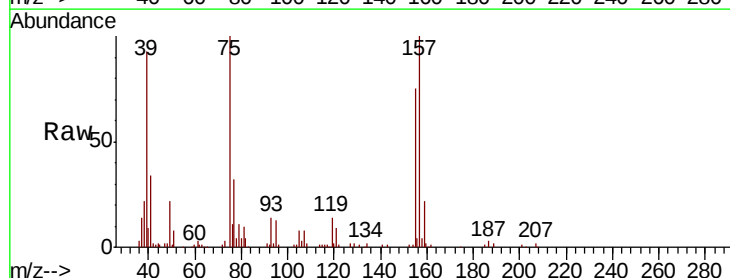
Manual Integrations
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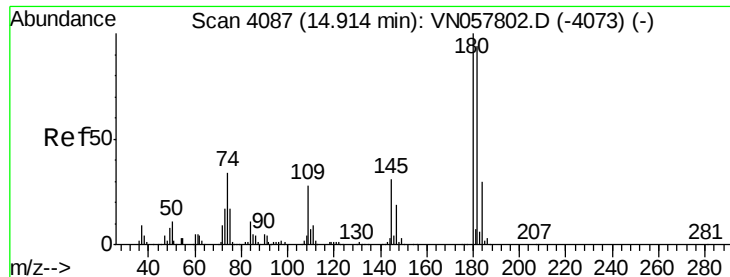
MMDadoda
 9/13/2019 7:06:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.892 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	37.3	111.8
157	97.1	47.9	143.8





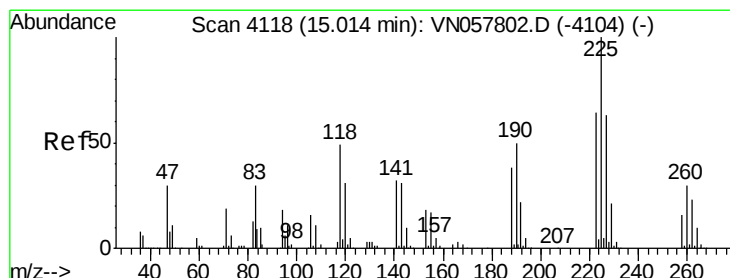
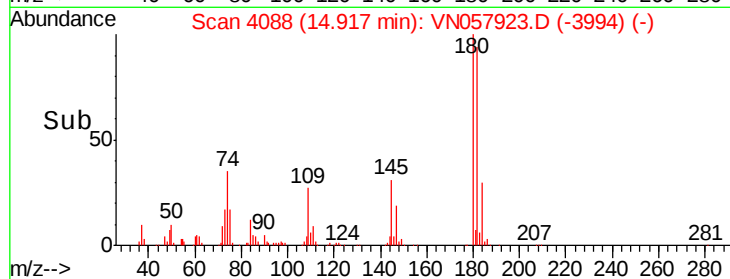
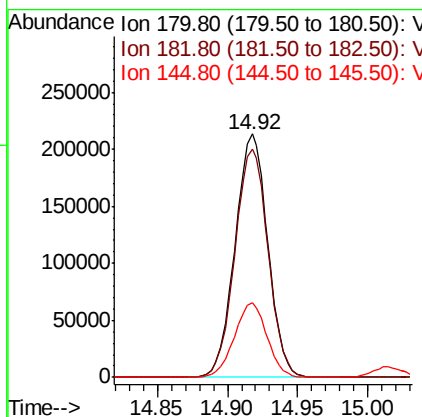
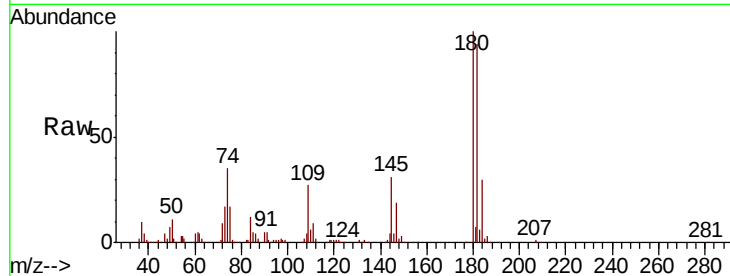
#93
 1,2,4-Trichlorobenzene
 Concen: 44.993 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	347337
Ion Ratio	Lower	Upper	
180	100		
182	95.3	46.9	140.8
145	30.6	14.9	44.7

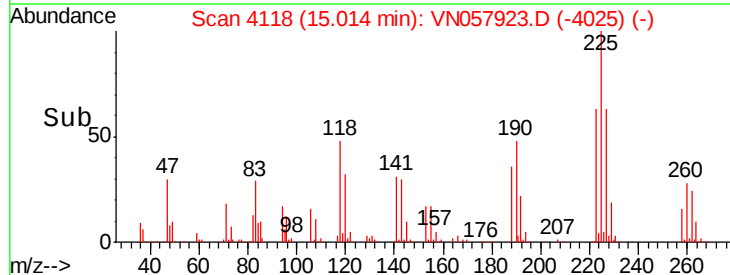
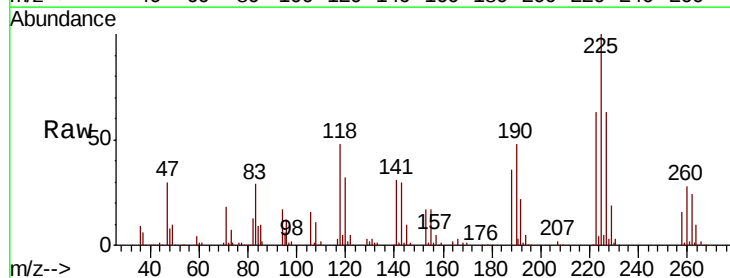
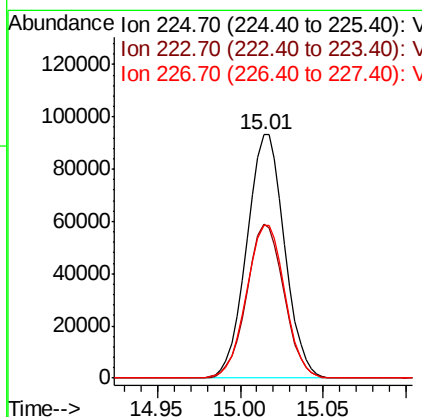
Manual Integrations
 APPROVED

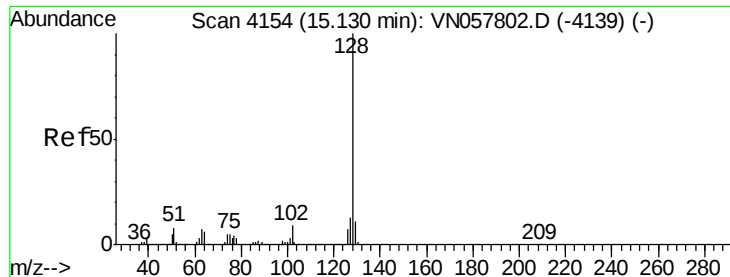
MMDadoda
 9/13/2019 7:06:28 AM



#94
 Hexachlorobutadiene
 Concen: 45.233 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057923.D
 Acq: 11 Sep 2019 14:18

Tgt Ion:	225	Resp:	148021
Ion Ratio	Lower	Upper	
225	100		
223	62.4	32.4	97.2
227	63.9	31.8	95.4





#95

Naphthalene

Concen: 55.767 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1083312

Ion Ratio Lower Upper

128 100

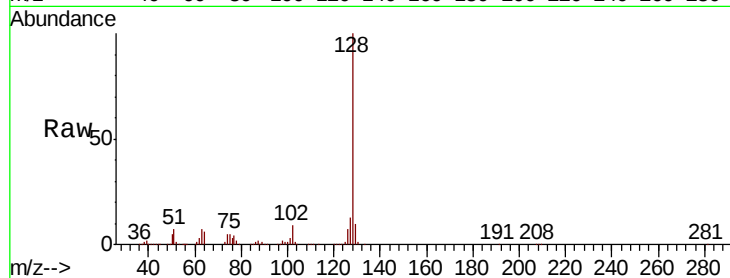
127 12.7 10.3 15.5

129 10.4 8.6 12.8

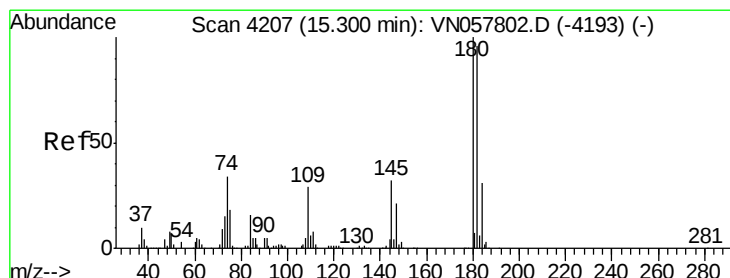
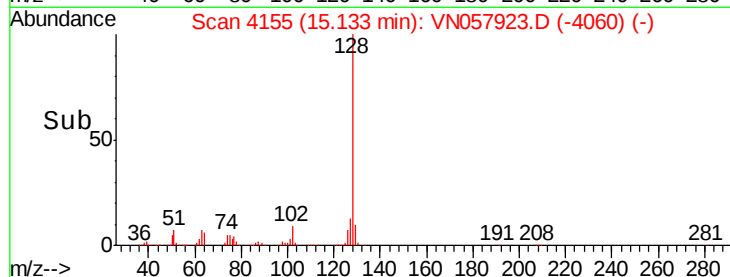
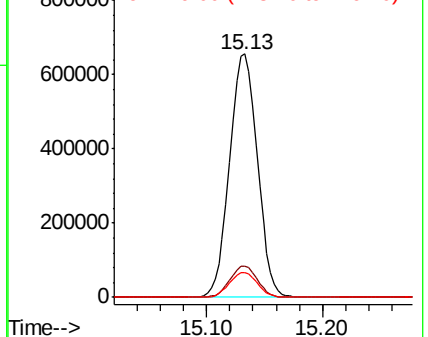
Manual Integrations
APPROVED

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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: 49.302 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057923.D

Acq: 11 Sep 2019 14:18

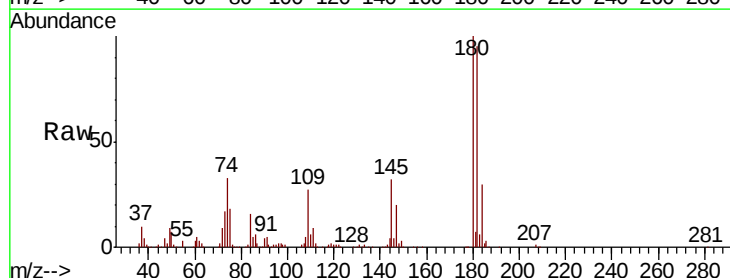
Tgt Ion:180 Resp: 332170

Ion Ratio Lower Upper

180 100

182 96.6 48.3 144.8

145 32.6 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

