

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057831.D
 Acq On : 10 Sep 2019 3:34
 Operator : JC/SP
 Sample : VN0910WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:23 AM

Quant Time: Sep 10 08:18:02 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	301942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	501746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	317199	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.58	113	227239	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.08	98	927668	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	317746	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82332	19.717	ug/l	98
3) Chloromethane	2.03	50	81453	19.139	ug/l	98
4) Vinyl Chloride	2.16	62	87099	19.337	ug/l	98
5) Bromomethane	2.54	94	51795	20.012	ug/l	99
6) Chloroethane	2.68	64	55521	19.344	ug/l	100
7) Trichlorofluoromethane	2.99	101	107484	18.962	ug/l	96
8) Diethyl Ether	3.39	74	45597	19.286	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68017	19.021	ug/l	99
10) Methyl Iodide	3.93	142	74898	18.822	ug/l	100
11) Tert butyl alcohol	4.77	59	73595	99.428	ug/l	98
12) 1,1-Dichloroethene	3.71	96	59370	18.466	ug/l	94
13) Acrolein	3.58	56	55377	88.185	ug/l	99
14) Allyl chloride	4.30	41	107670	17.112	ug/l	99
15) Acrylonitrile	4.97	53	202296	99.435	ug/l	97
16) Acetone	3.80	43	170484	85.038	ug/l	97
17) Carbon Disulfide	4.03	76	87615	17.612	ug/l	97
18) Methyl Acetate	4.30	43	109122	20.414	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	267421	19.986	ug/l	99
20) Methylene Chloride	4.53	84	82407	20.875	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	63240	18.195	ug/l	98
22) Diisopropyl ether	5.93	45	296720	20.109	ug/l	99
23) Vinyl Acetate	5.87	43	1031742	98.663	ug/l	99
24) 1,1-Dichloroethane	5.82	63	154845	19.201	ug/l	99
25) 2-Butanone	6.82	43	274154	94.482	ug/l	98
26) 2,2-Dichloropropane	6.81	77	84837	13.293	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	88042	18.902	ug/l	97
28) Bromochloromethane	7.18	49	87604	21.744	ug/l	97
29) Tetrahydrofuran	7.20	42	175546	98.179	ug/l	99
30) Chloroform	7.36	83	165161	19.588	ug/l	99
31) Cyclohexane	7.64	56	111749	18.946	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	125233	18.727	ug/l	99
36) 1,1-Dichloropropene	7.78	75	104255	17.917	ug/l	98
37) Ethyl Acetate	6.91	43	109734	18.252	ug/l	98
38) Carbon Tetrachloride	7.76	117	97610	18.373	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	105172	17.193	ug/l	99
40) Benzene	8.03	78	334394	19.088	ug/l	99
41) Methacrylonitrile	7.17	41	52980m	19.413	ug/l	
42) 1,2-Dichloroethane	8.11	62	134228	19.158	ug/l	99
43) Isopropyl Acetate	8.15	43	191770	18.968	ug/l #	88
44) Trichloroethene	8.83	130	79863	18.586	ug/l	95
45) 1,2-Dichloropropane	9.11	63	99304	19.480	ug/l	95
46) Dibromomethane	9.20	93	59320	19.257	ug/l	99
47) Bromodichloromethane	9.40	83	117205	19.054	ug/l	96
48) Methyl methacrylate	9.19	41	94524	18.431	ug/l	98
49) 1,4-Dioxane	9.19	88	31727	365.817	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	600807	100.420	ug/l	100
52) Toluene	10.15	92	213126	19.315	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	113277	17.487	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	126646	17.708	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	88804	19.000	ug/l	98
56) Ethyl methacrylate	10.43	69	132506	18.826	ug/l	98
57) 1,3-Dichloropropane	10.71	76	155759	19.337	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	324714	97.953	ug/l	100
59) 2-Hexanone	10.75	43	428183	95.482	ug/l	99
60) Dibromochloromethane	10.90	129	79155	18.238	ug/l	98
61) 1,2-Dibromoethane	11.00	107	84609	19.148	ug/l	100
64) Tetrachloroethene	10.63	164	65901	18.804	ug/l	98
65) Chlorobenzene	11.43	112	234848	18.906	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	80483	18.672	ug/l	100
67) Ethyl Benzene	11.51	91	418032	19.202	ug/l	98
68) m/p-Xylenes	11.62	106	300518	37.686	ug/l	98
69) o-Xylene	11.95	106	151411	19.099	ug/l	99
70) Styrene	11.97	104	257918	18.904	ug/l	98
71) Bromoform	12.13	173	46657	17.362	ug/l #	98
73) Isopropylbenzene	12.25	105	415162	20.096	ug/l	100
74) N-amyl acetate	12.07	43	171095	19.030	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132416	19.037	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	104620m	17.371	ug/l	
77) Bromobenzene	12.53	156	96610	18.757	ug/l	98
78) n-propylbenzene	12.59	91	472756	19.929	ug/l	100
79) 2-Chlorotoluene	12.68	91	290457	19.372	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	351406	20.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	24287	14.191	ug/l #	78
82) 4-Chlorotoluene	12.78	91	295393	19.185	ug/l	100
83) tert-Butylbenzene	13.00	119	305093	19.663	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	354456	19.980	ug/l	98
85) sec-Butylbenzene	13.18	105	407405	19.810	ug/l	99
86) p-Isopropyltoluene	13.29	119	360814	19.912	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	180016	19.041	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	179372	18.692	ug/l	99
89) n-Butylbenzene	13.62	91	322895	18.869	ug/l	99
90) Hexachloroethane	13.88	117	49089	18.216	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	180387	19.099	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21176	18.435	ug/l	98

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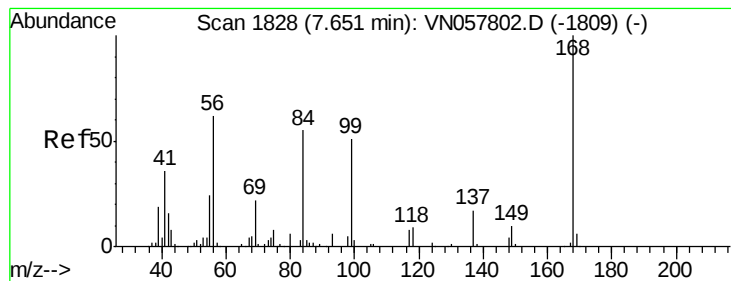
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	105555	17.098	ug/l	99
94) Hexachlorobutadiene	15.01	225	46073	17.606	ug/l	99
95) Naphthalene	15.13	128	301518	18.352	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	102636	19.662	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion:168 Resp: 301942

Ion Ratio Lower Upper

168 100

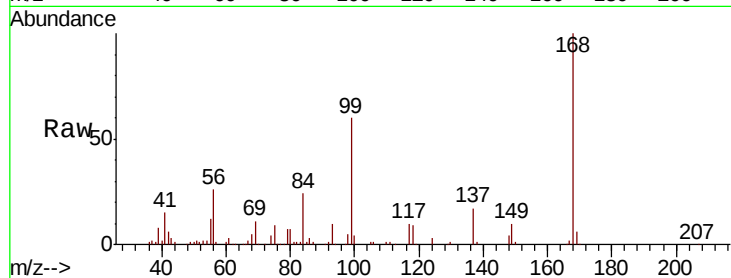
99 60.0 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.65

150000

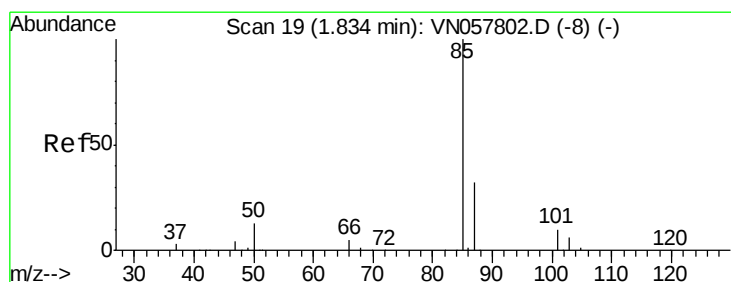
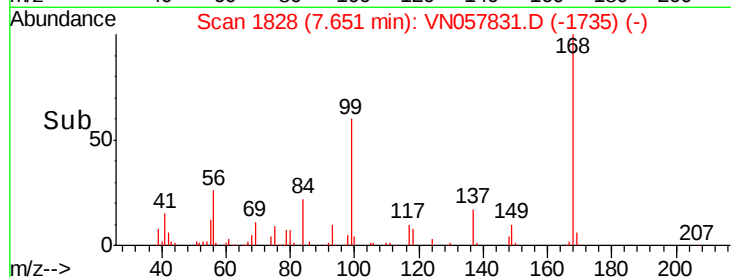
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.717 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057831.D

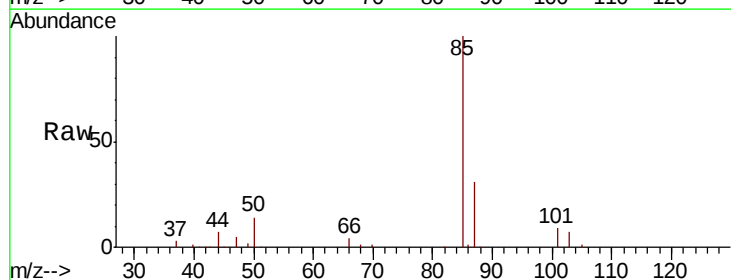
Acq: 10 Sep 2019 3:34

Tgt Ion: 85 Resp: 82332

Ion Ratio Lower Upper

85 100

87 30.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.83

60000

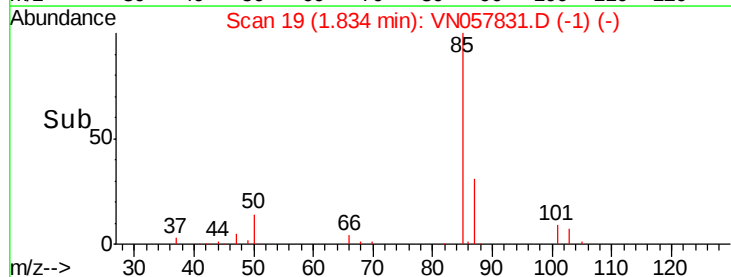
40000

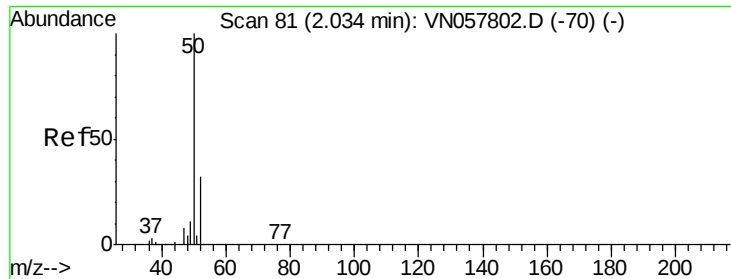
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.139 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 50 Resp: 81453

Ion Ratio Lower Upper

50 100

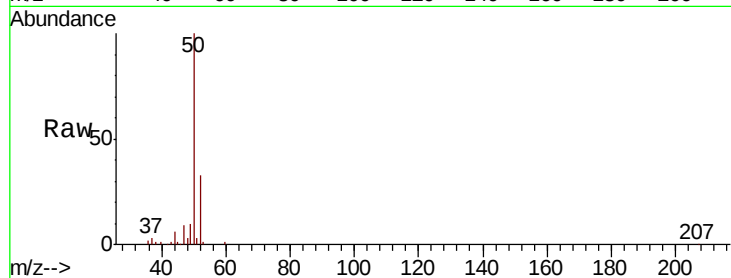
52 32.9 25.5 38.3

Manual Integrations

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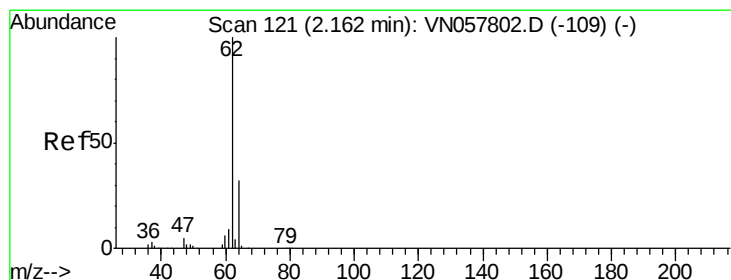
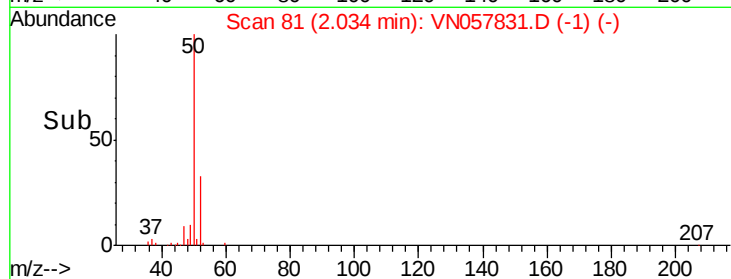
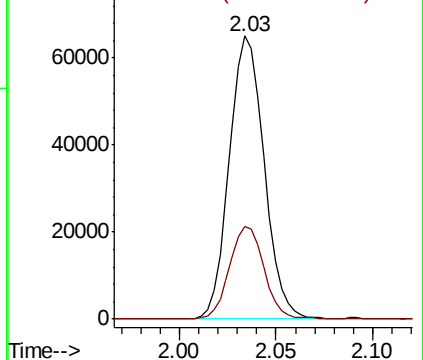
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.337 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057831.D

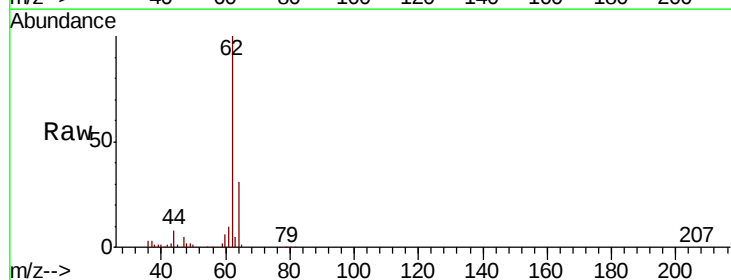
Acq: 10 Sep 2019 3:34

Tgt Ion: 62 Resp: 87099

Ion Ratio Lower Upper

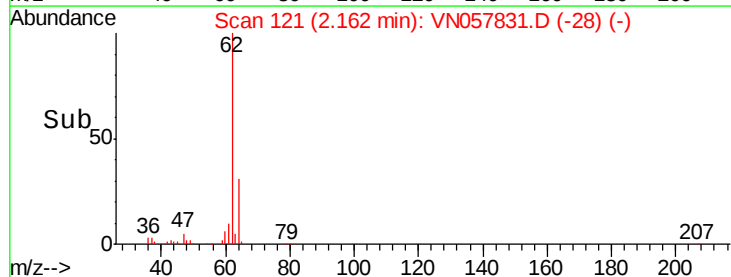
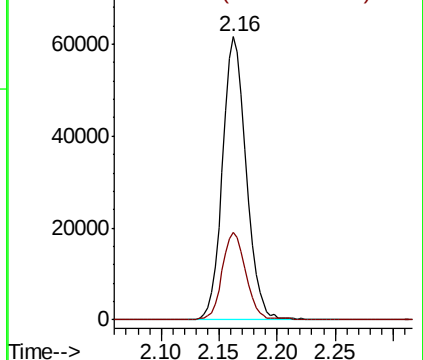
62 100

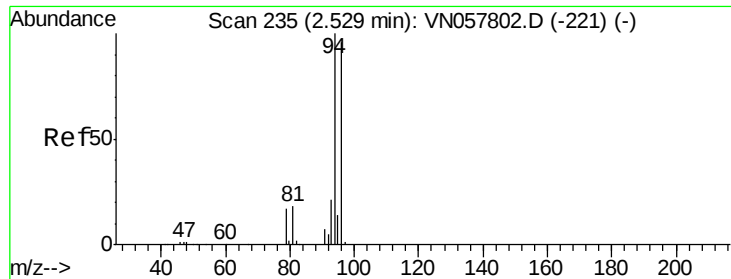
64 30.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.012 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 94 Resp: 51795

Ion Ratio Lower Upper

94 100

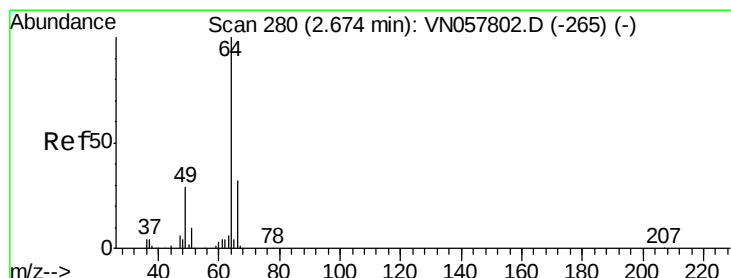
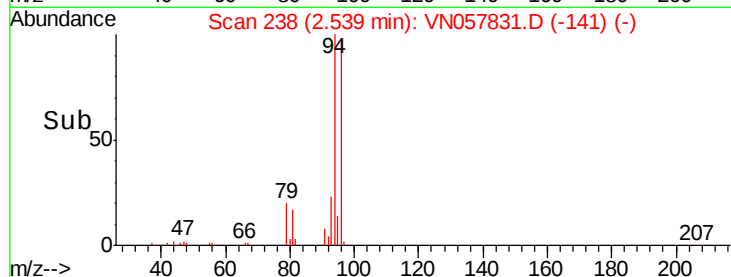
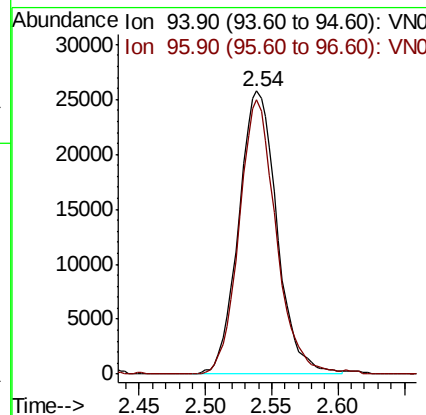
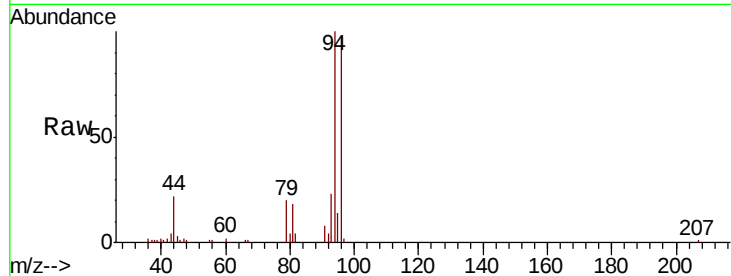
96 97.1 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 19.344 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057831.D

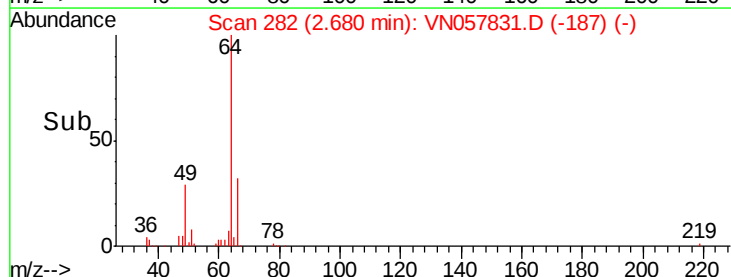
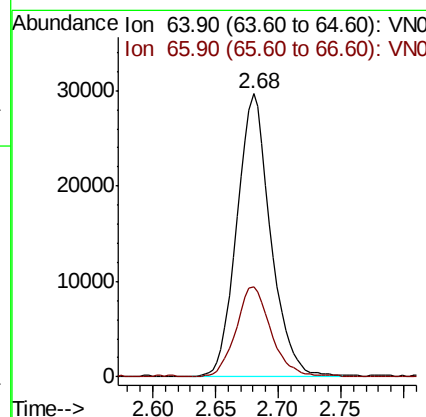
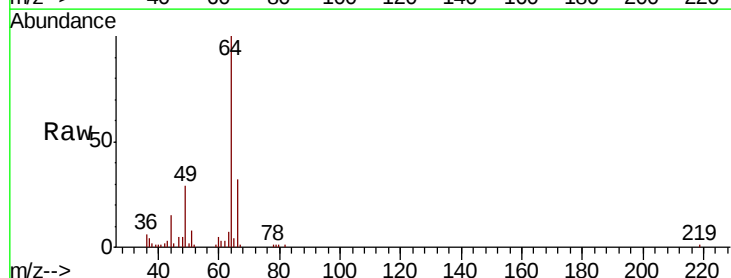
Acq: 10 Sep 2019 3:34

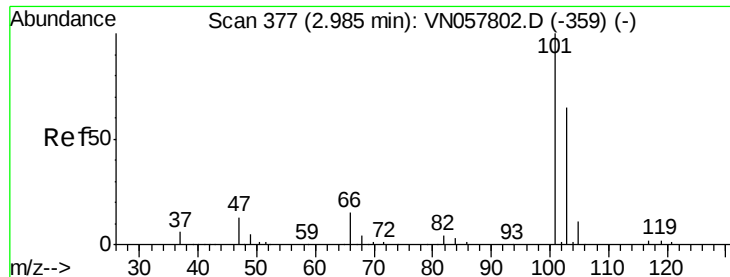
Tgt Ion: 64 Resp: 55521

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

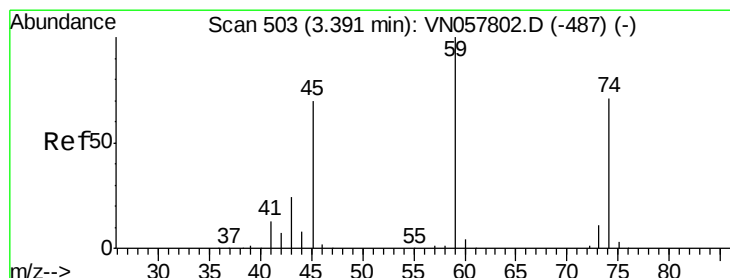
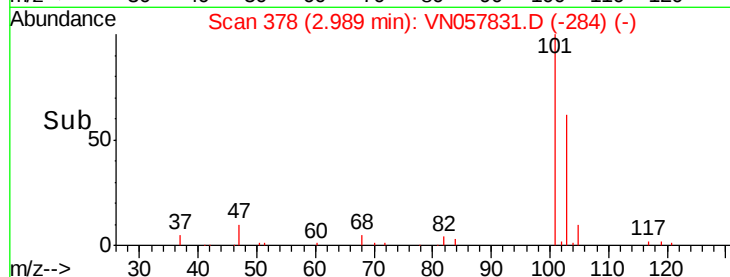
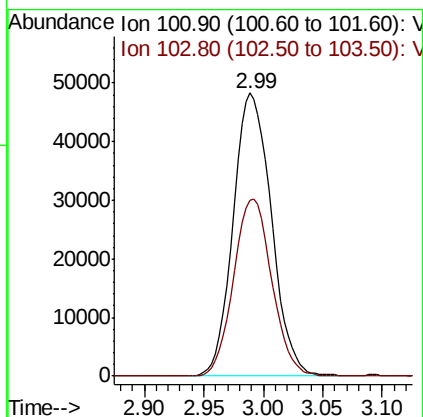
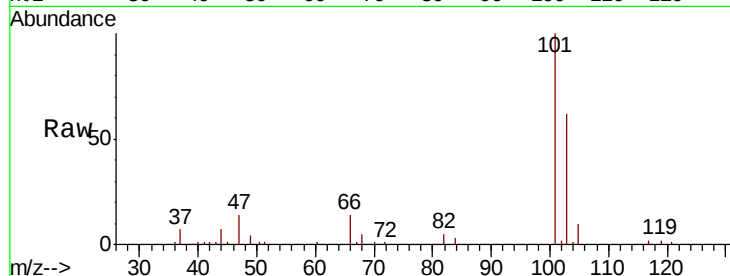
Trichlorofluoromethane
Concen: 18.962 ug/l
RT: 2.99 min Scan# 378
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.9	77.9

Manual Integrations
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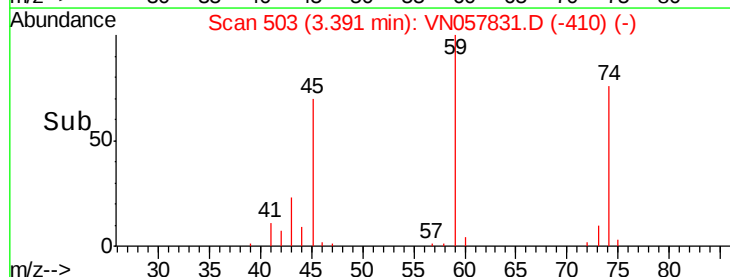
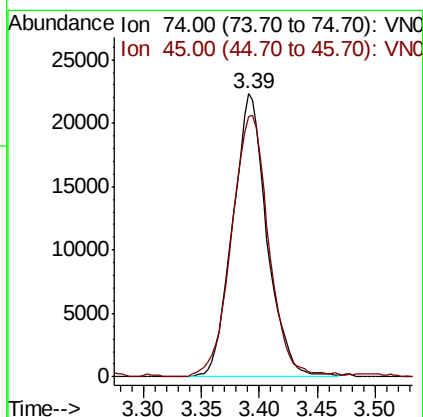
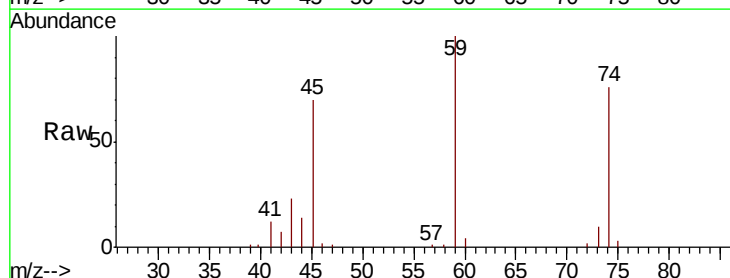
MMDadoda
9/13/2019 5:16:23 AM

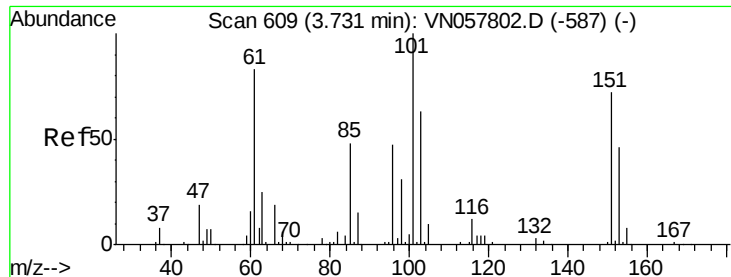


#8

Diethyl Ether
Concen: 19.286 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.021 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

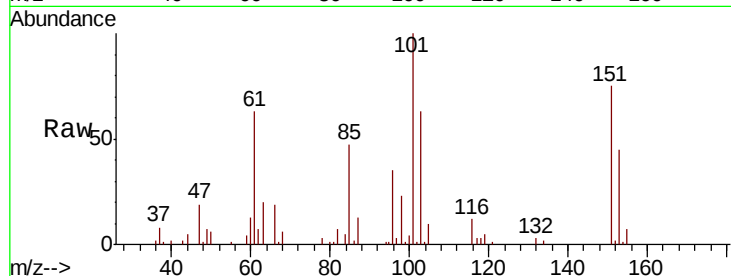
ClientSampleId :

VN0910WBS02

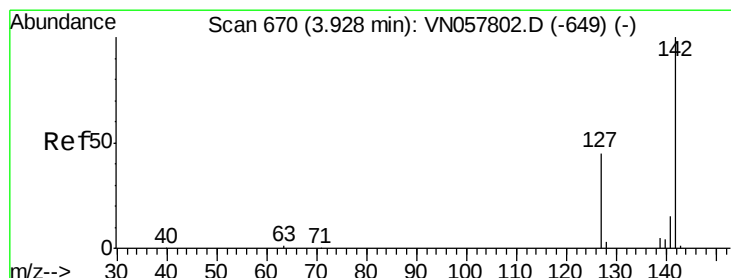
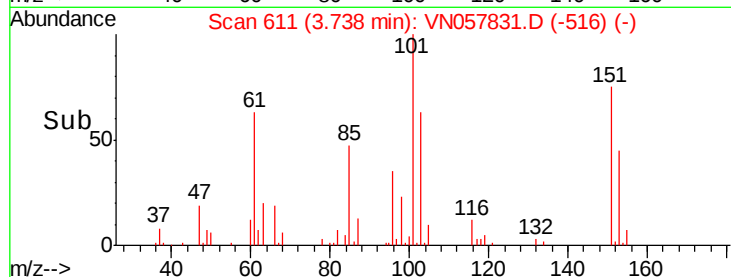
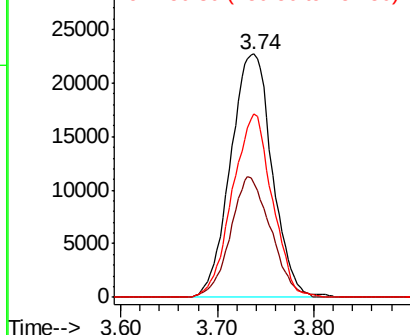
Tot Ion:	101	Resp:	68017
Ion Ratio	Lower	Upper	
101	100		
85	47.8	38.1	57.1
151	72.0	58.4	87.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.822 ug/l

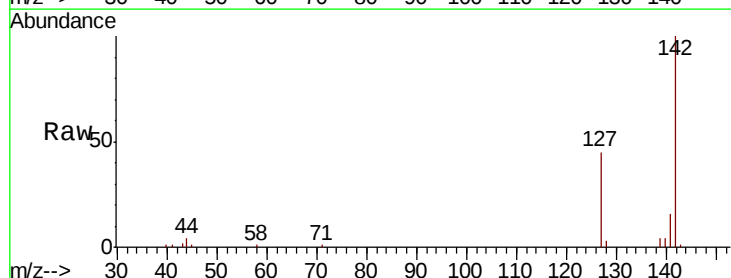
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

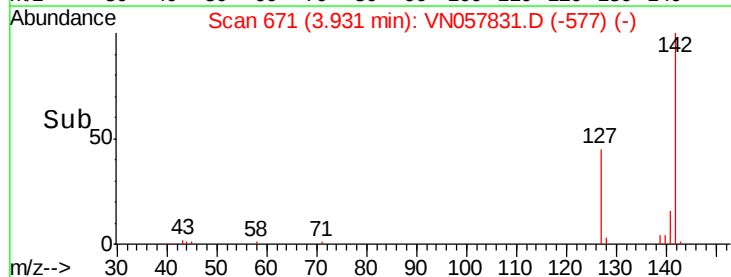
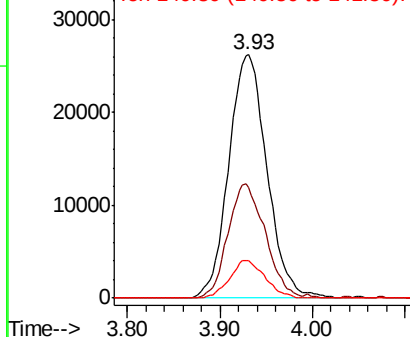
Lab File: VN057831.D

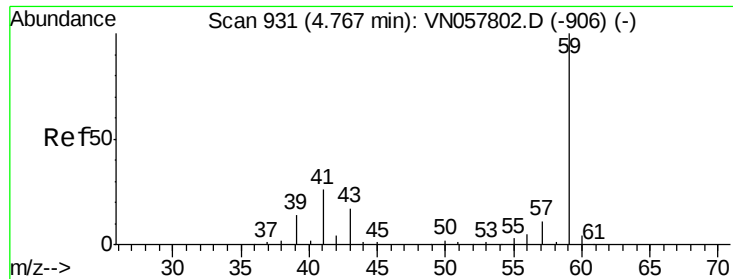
Acq: 10 Sep 2019 3:34

Tgt Ion:	142	Resp:	74898
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.7	55.1
141	14.4	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





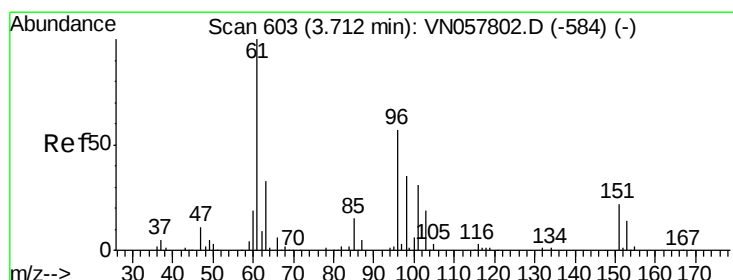
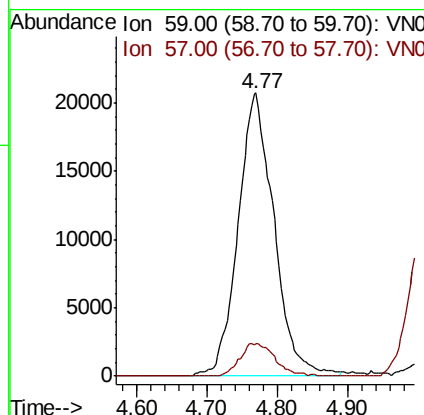
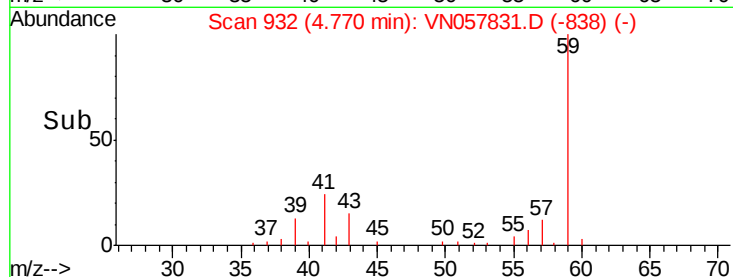
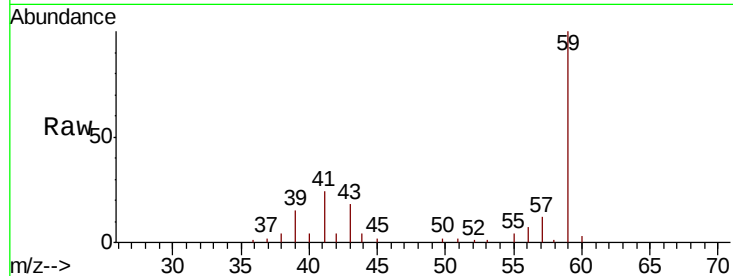
#11
Tert butyl alcohol
Concen: 99.428 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.2	8.4	12.6

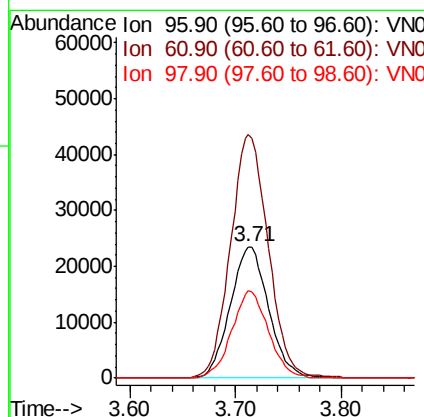
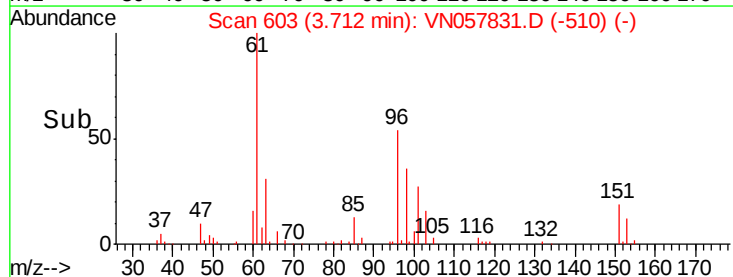
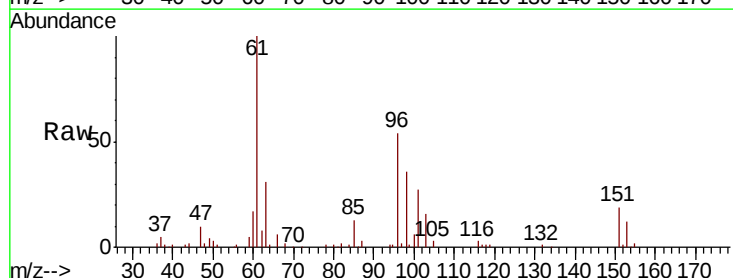
Manual Integrations
APPROVED

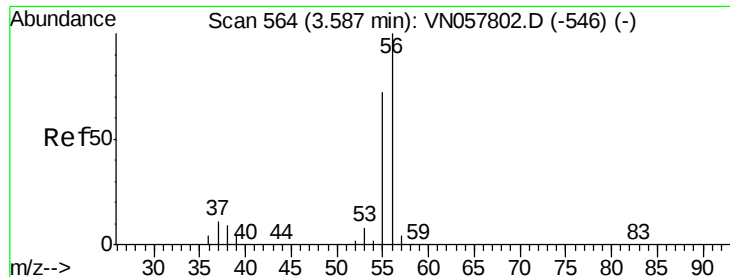
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.466 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	185.1	141.2	211.8
98	98	66.2	49.9	74.9





#13

Acrolein

Concen: 88.185 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS02

Tot Ion: 56 Resp: 55377

Ion Ratio Lower Upper

56 100

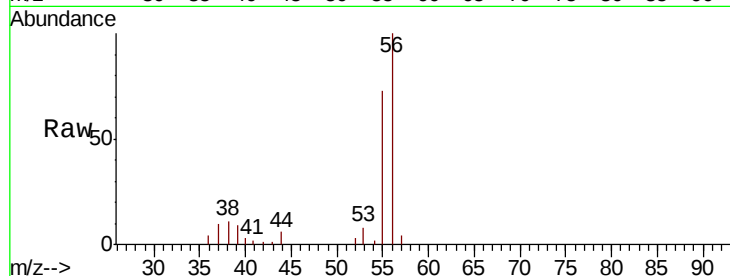
55 72.3 57.3 85.9

Manual Integrations

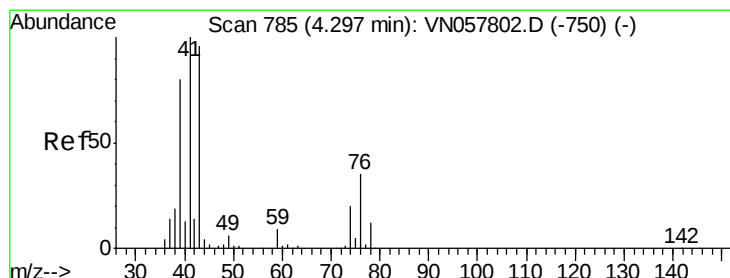
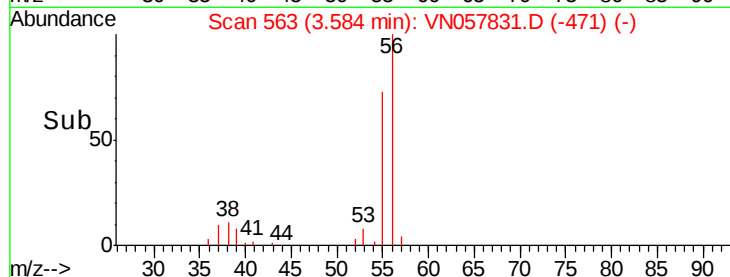
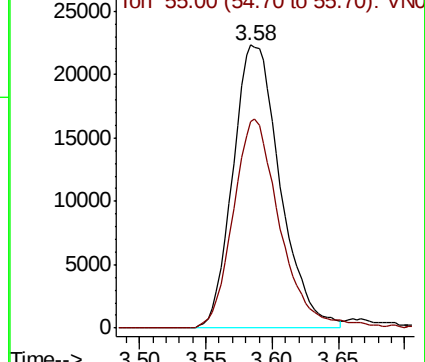
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VN057802.D (-546) (-)



#14

Allyl chloride

Concen: 17.112 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

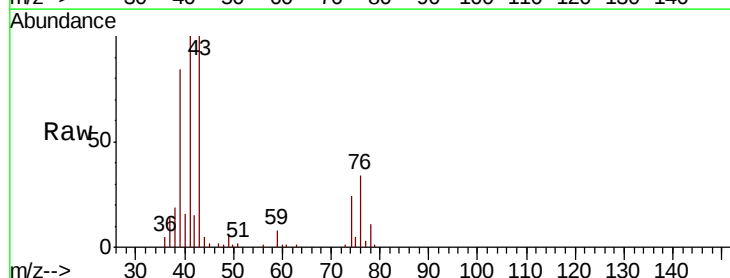
Tgt Ion: 41 Resp: 107670

Ion Ratio Lower Upper

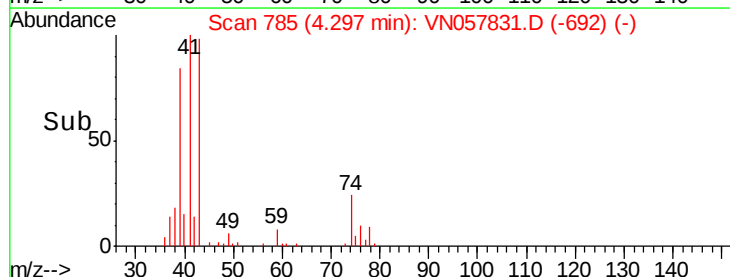
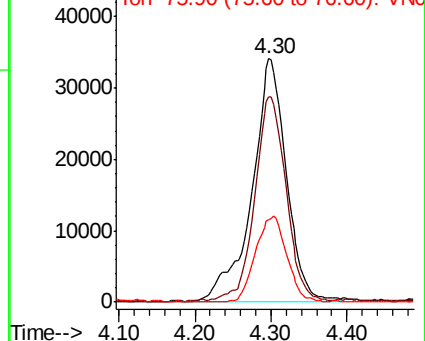
41 100

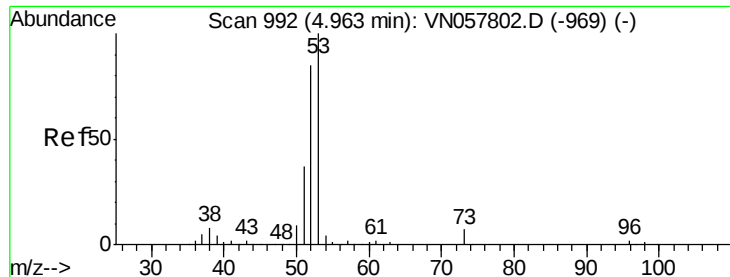
39 74.5 59.4 89.2

76 31.8 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-750) (-)





#15

Acrylonitrile

Concen: 99.435 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

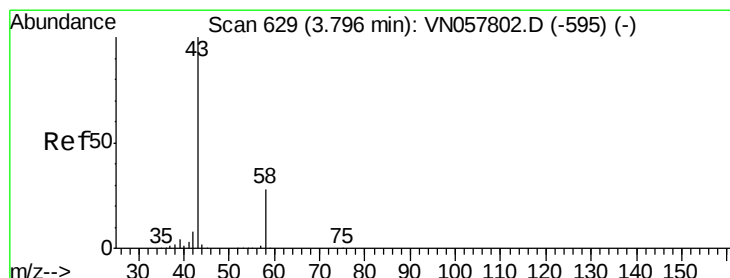
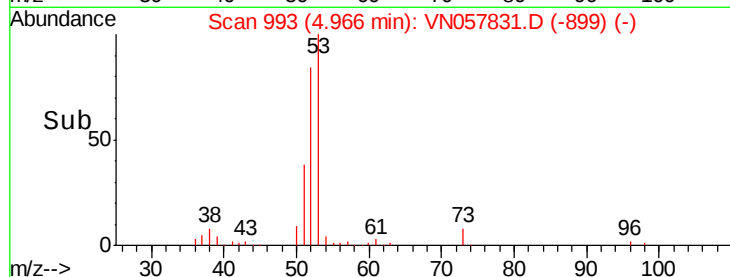
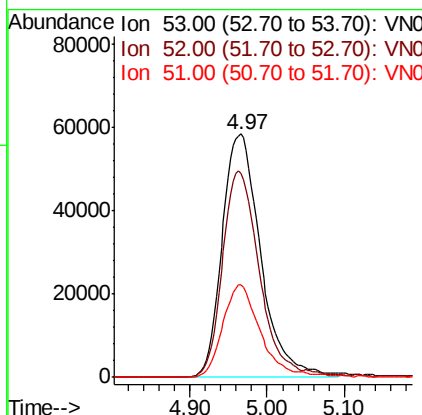
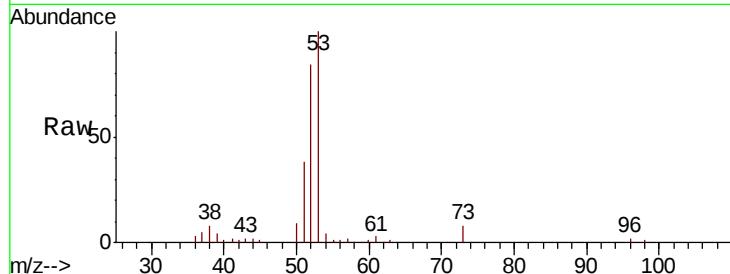
ClientSampleId :

VN0910WBS02

Tot Ion:	53	Resp:	202296
Ion Ratio	Lower	Upper	
53	100		
52	80.2	66.6	100.0
51	36.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 85.038 ug/l

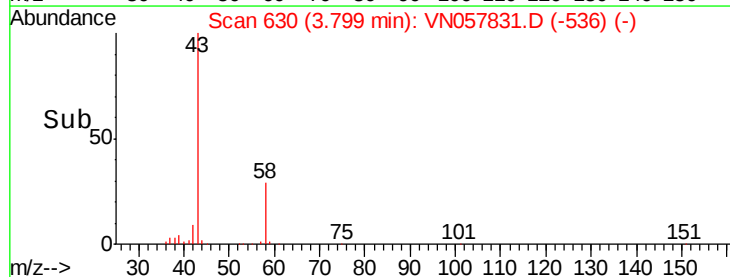
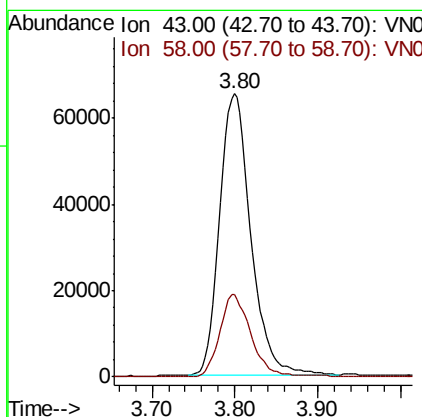
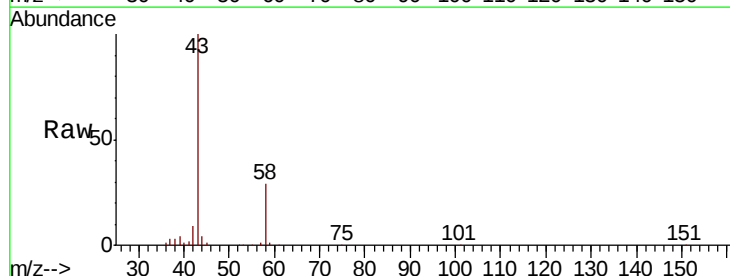
RT: 3.80 min Scan# 630

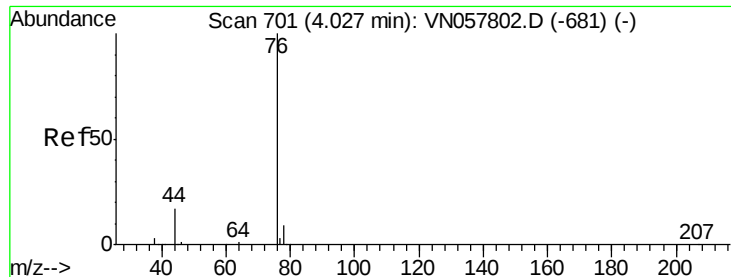
Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Tgt Ion:	43	Resp:	170484
Ion Ratio	Lower	Upper	
43	100		
58	29.5	22.2	33.2





#17

Carbon Disulfide

Concen: 17.612 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 76 Resp: 87615

Ion Ratio Lower Upper

76 100

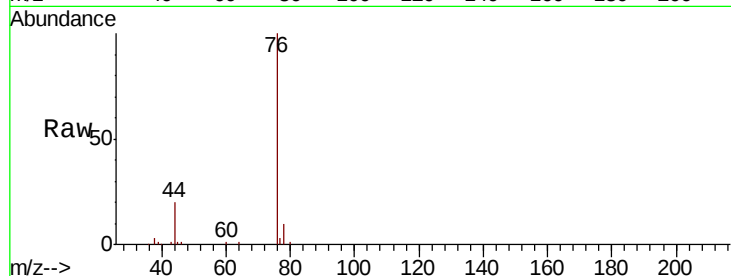
78 9.9 7.1 10.7

Manual Integrations

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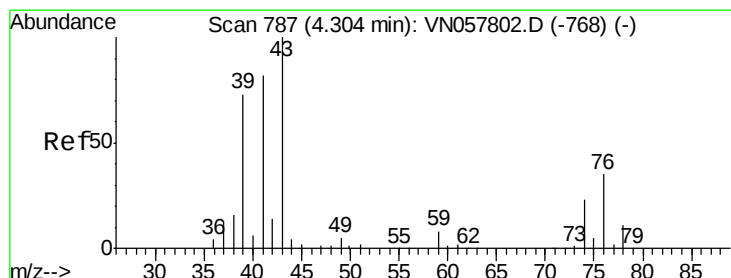
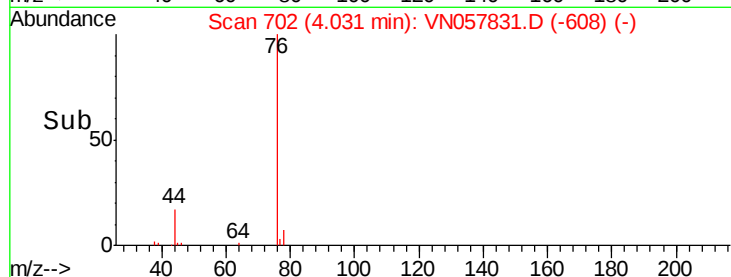
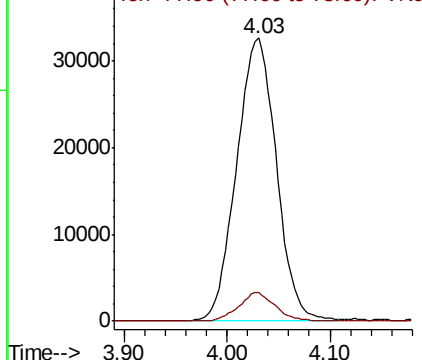
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 20.414 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057831.D

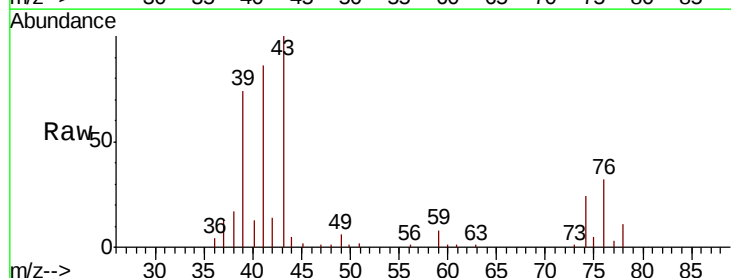
Acq: 10 Sep 2019 3:34

Tgt Ion: 43 Resp: 109122

Ion Ratio Lower Upper

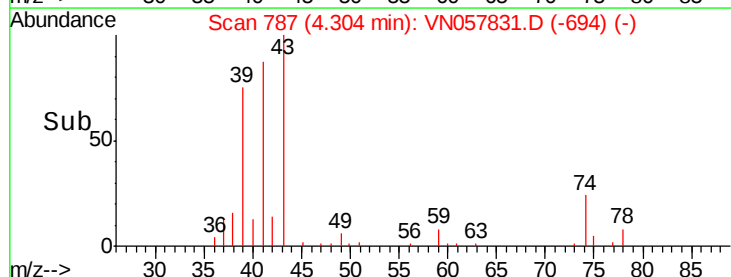
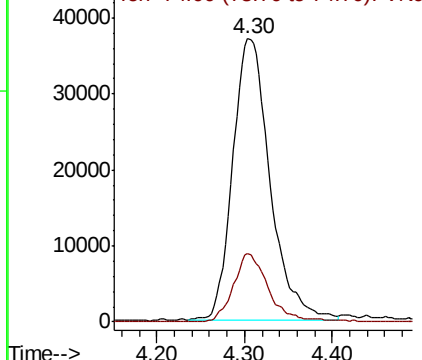
43 100

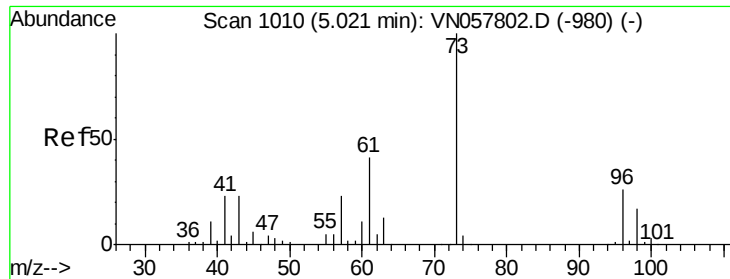
74 22.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





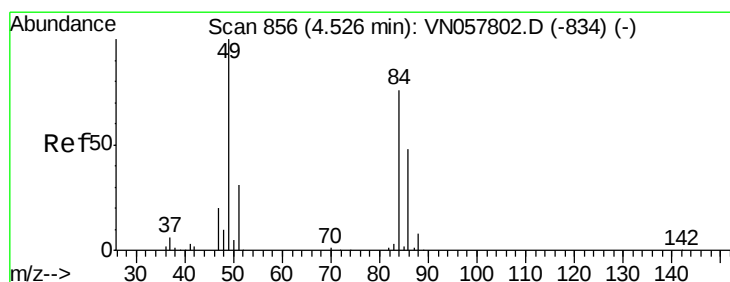
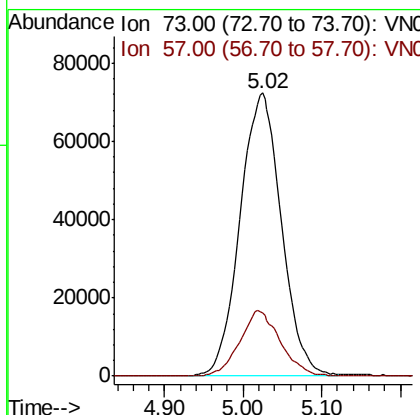
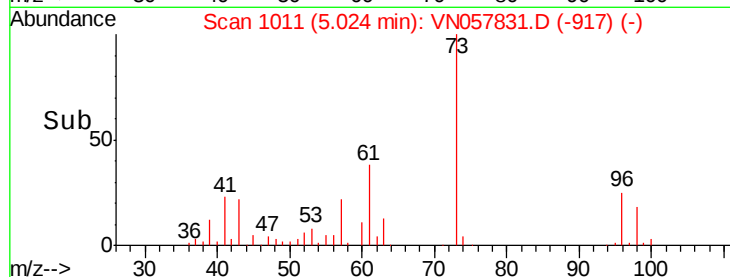
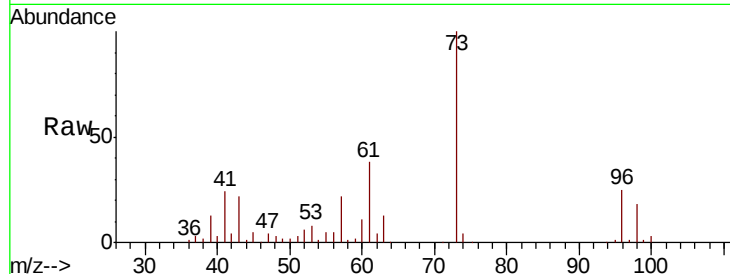
#19
Methyl tert-butyl Ether
Concen: 19.986 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion: 73 Resp: 267421
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.2

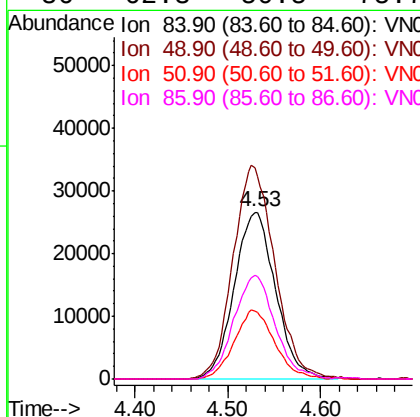
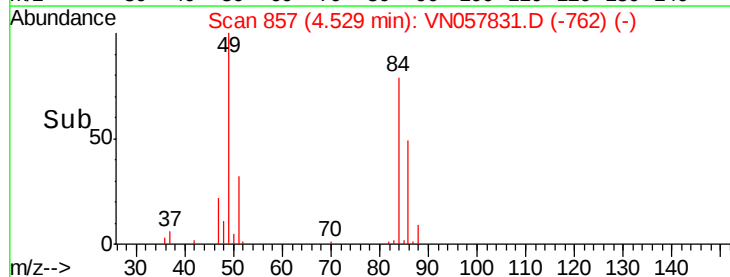
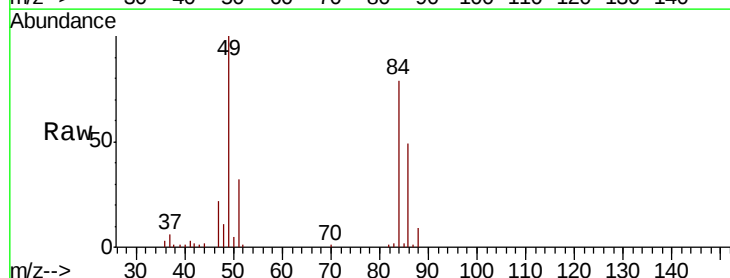
Manual Integrations
APPROVED

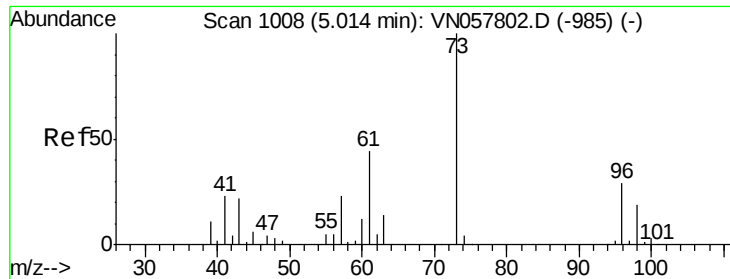
MMDadoda
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#20
Methylene Chloride
Concen: 20.875 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion: 84 Resp: 82407
Ion Ratio Lower Upper
84 100
49 126.6 104.8 157.2
51 40.9 33.0 49.4
86 62.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.195 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

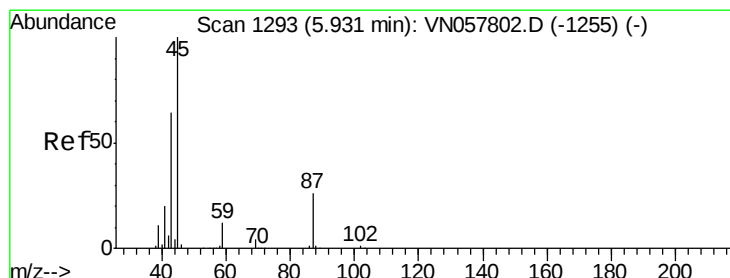
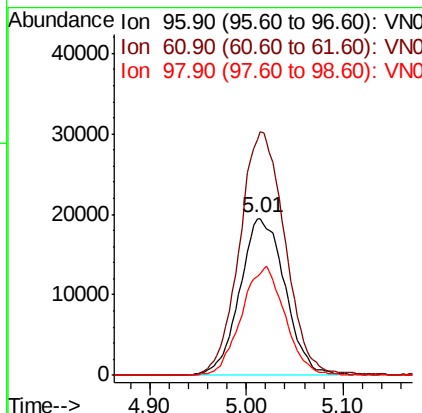
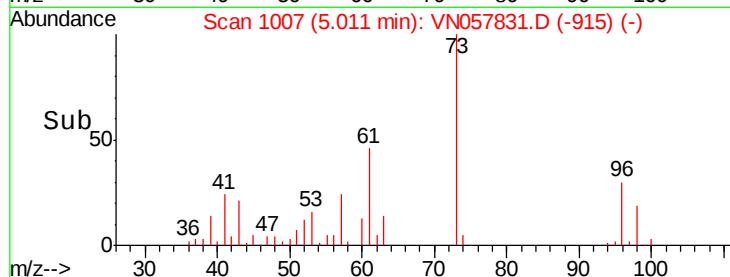
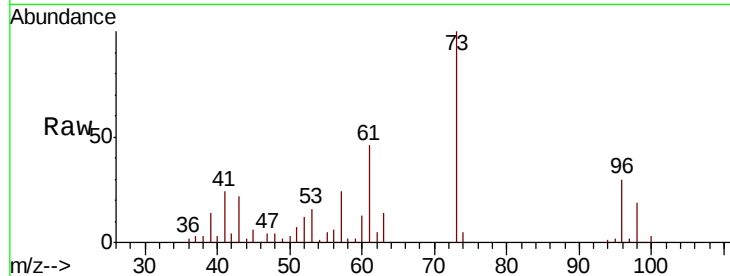
ClientSampleId :

VN0910WBS02

Tot Ion:	96	Resp:	63240
Ion	Ratio	Lower	Upper
96	100		
61	150.7	121.9	182.9
98	62.9	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.109 ug/l

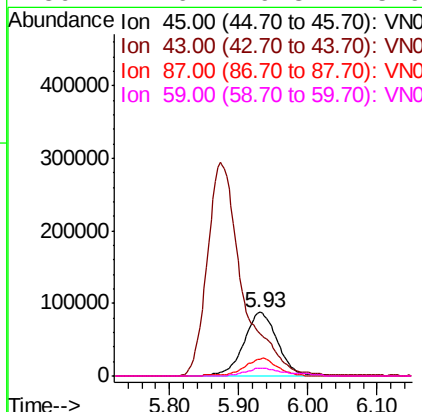
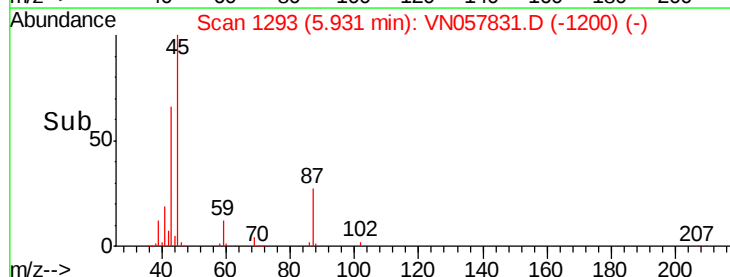
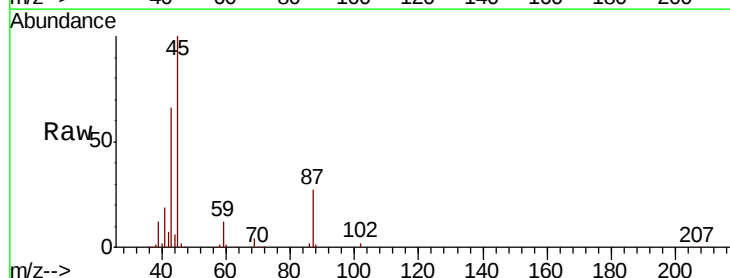
RT: 5.93 min Scan# 1293

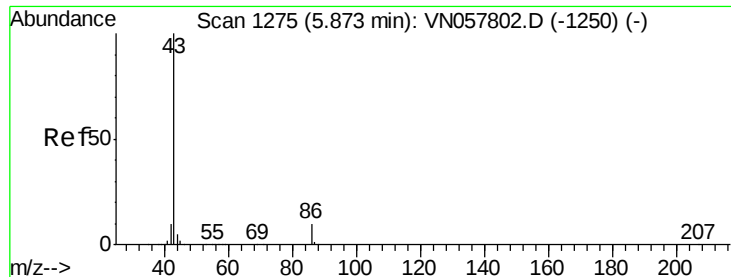
Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Tgt Ion:	45	Resp:	296720
Ion	Ratio	Lower	Upper
45	100		
43	63.7	51.4	77.2
87	26.3	21.3	31.9
59	11.6	9.3	13.9





#23

Vinyl Acetate

Concen: 98.663 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 43 Resp: 1031742

Ion Ratio Lower Upper

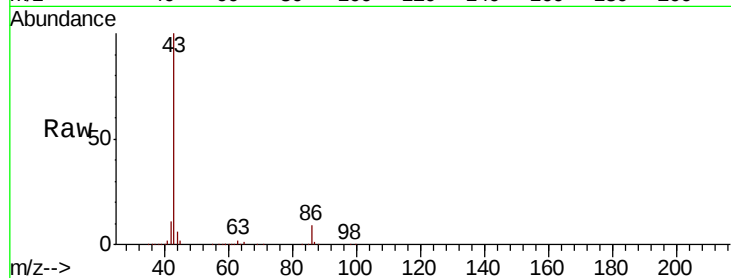
43 100

86 9.3 7.7 11.5

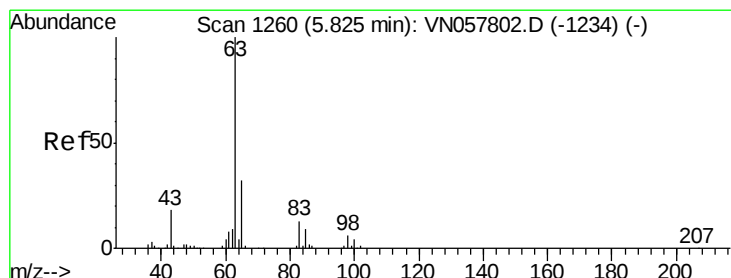
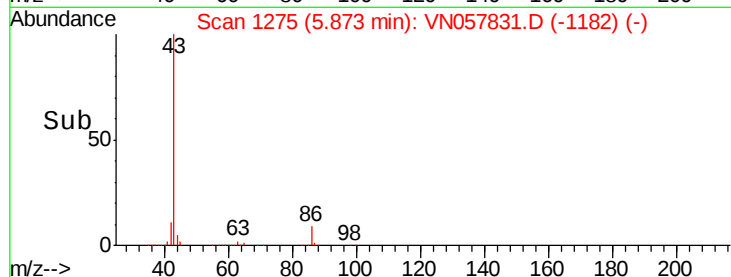
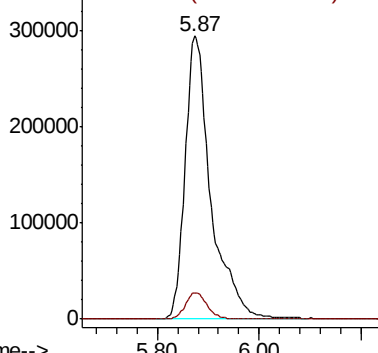
Manual Integrations
APPROVED

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9/13/2019 5:16:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 19.201 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

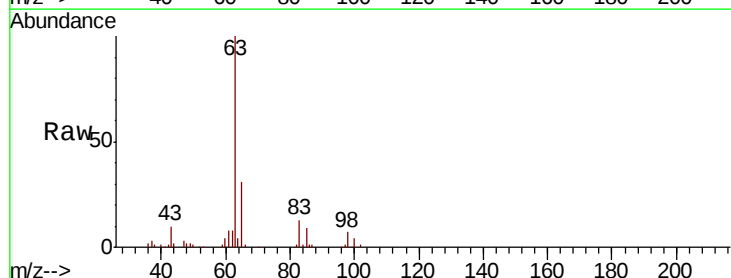
Tgt Ion: 63 Resp: 154845

Ion Ratio Lower Upper

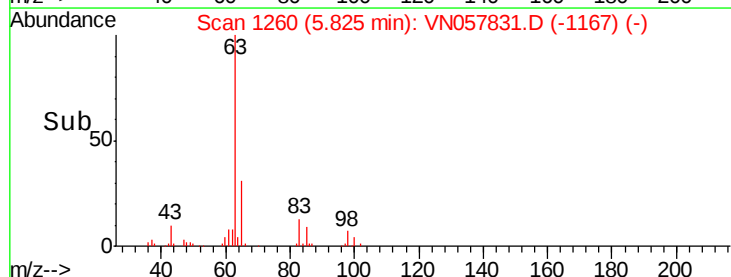
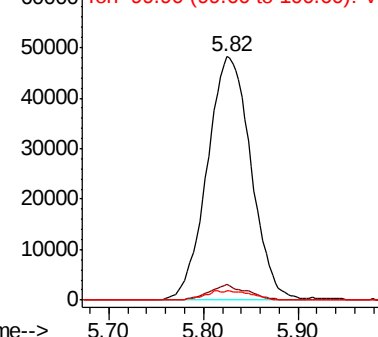
63 100

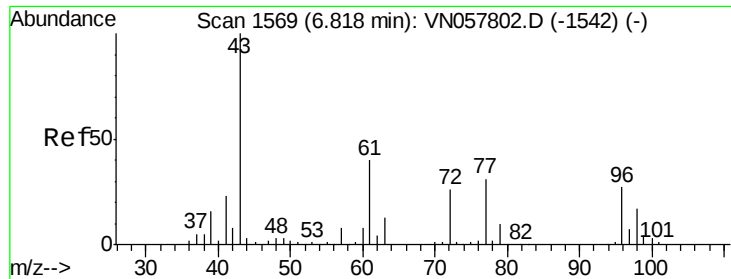
98 6.6 3.0 9.2

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 97.90 (97.60 to 98.60): VNO
Ion 99.90 (99.60 to 100.60): VNO





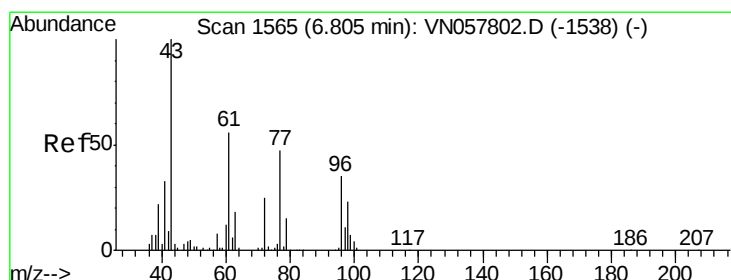
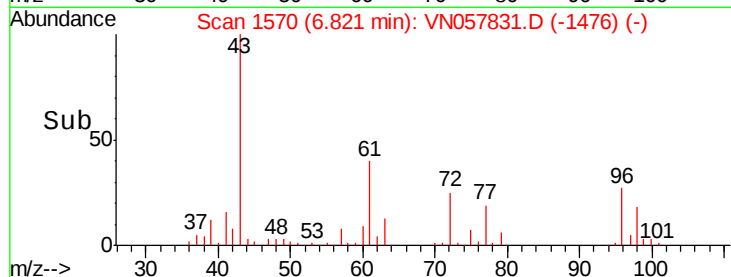
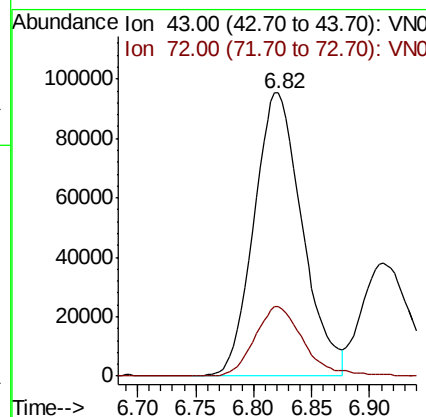
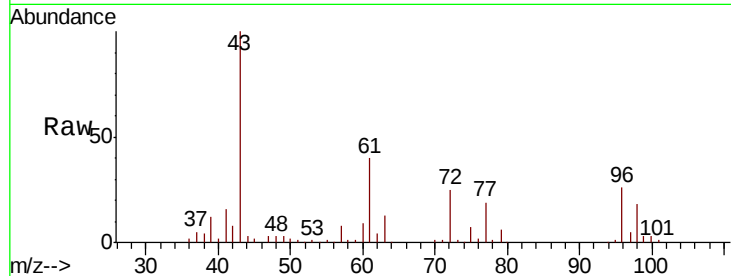
#25
2-Butanone
Concen: 94.482 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion: 43 Resp: 274154
Ion Ratio Lower Upper
43 100
72 24.6 20.6 30.8

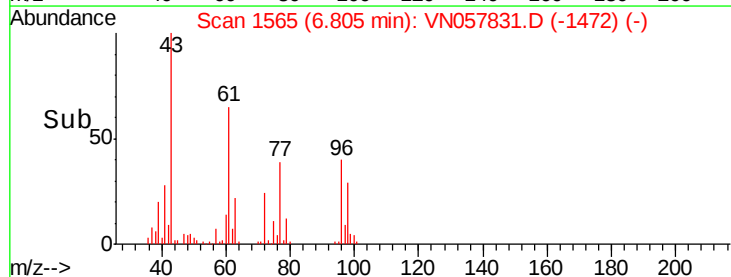
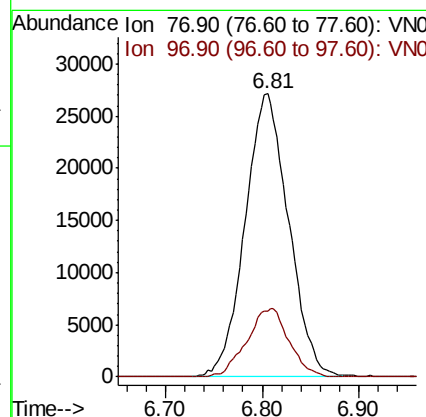
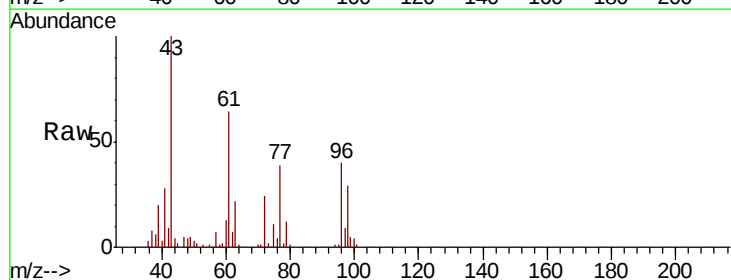
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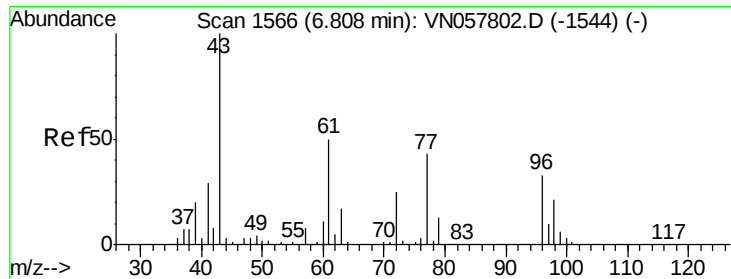
MMDadoda
9/13/2019 5:16:23 AM



#26
2,2-Dichloropropane
Concen: 13.293 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion: 77 Resp: 84837
Ion Ratio Lower Upper
77 100
97 23.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 18.902 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

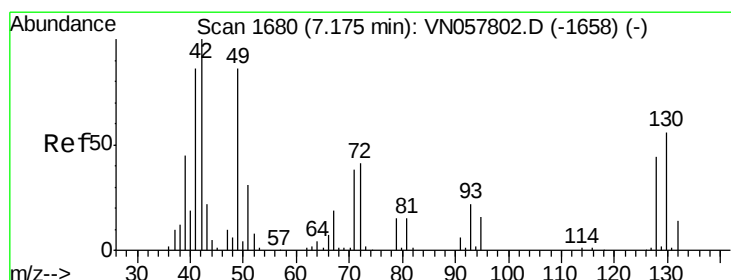
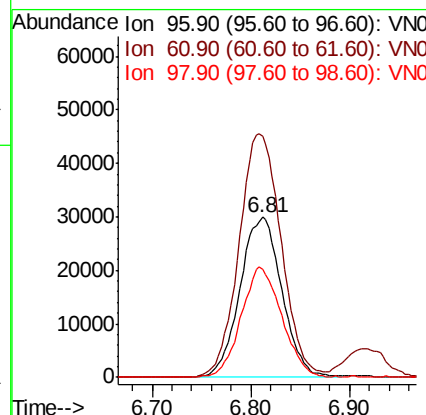
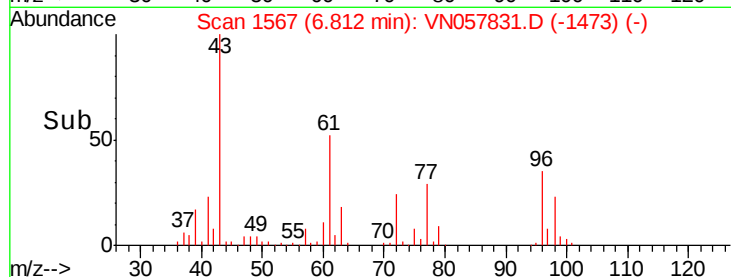
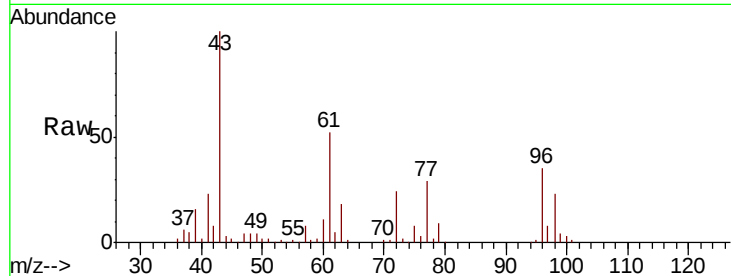
ClientSampleId :

VN0910WBS02

Tot Ion:	96	Resp:	88042
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	314.0
98	66.7	0.0	128.6

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#28

Bromochloromethane

Concen: 21.744 ug/l

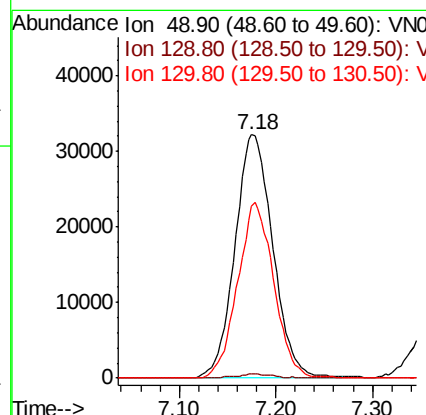
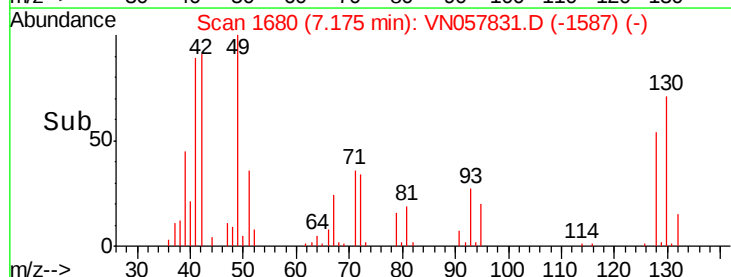
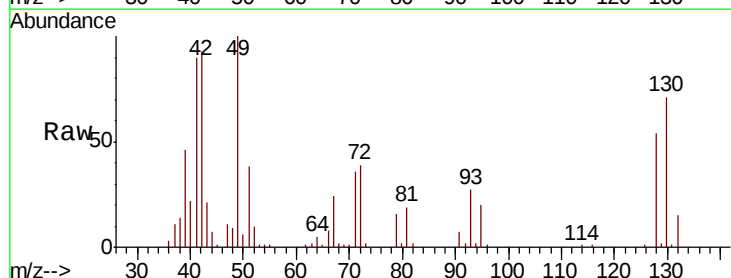
RT: 7.18 min Scan# 1680

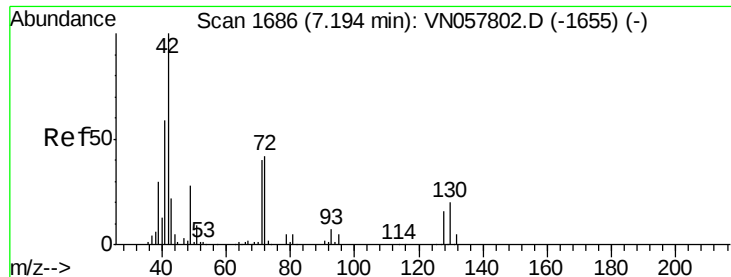
Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Tgt Ion:	49	Resp:	87604
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	68.6	53.0	79.6





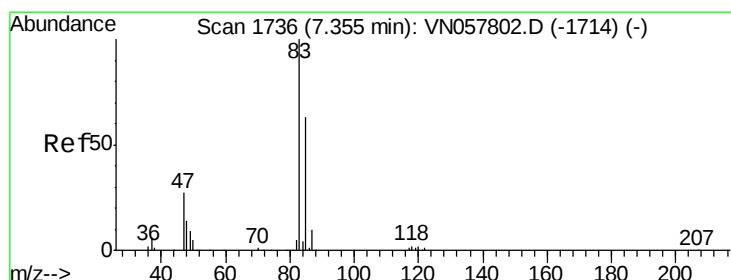
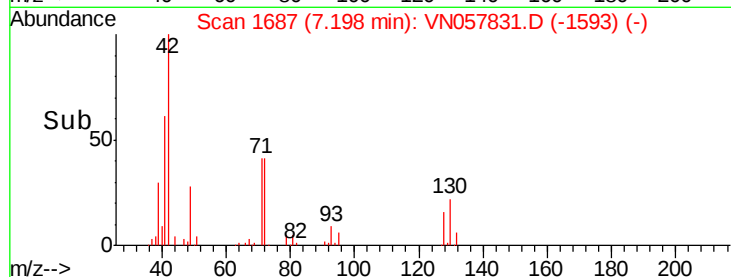
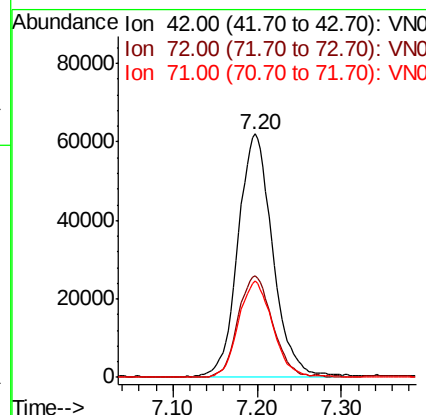
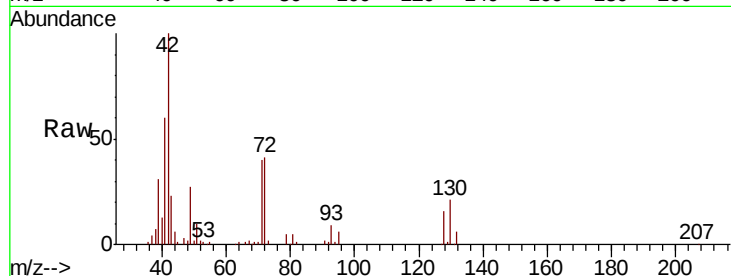
#29
Tetrahydrofuran
Concen: 98.179 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	39.2	31.9	47.9

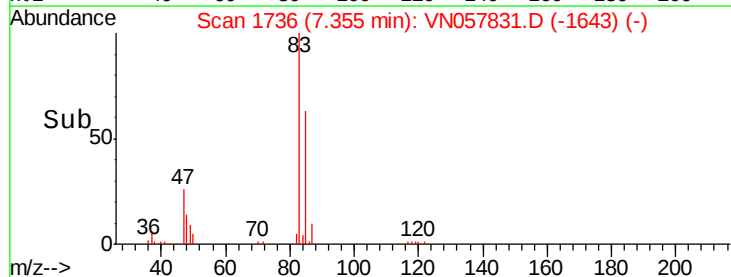
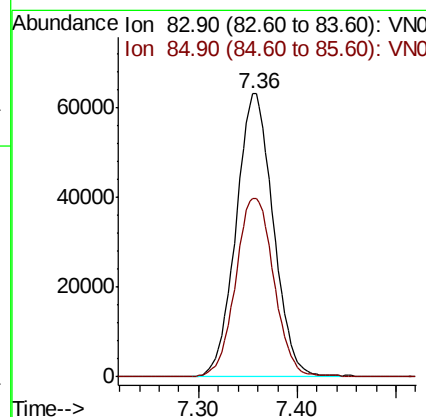
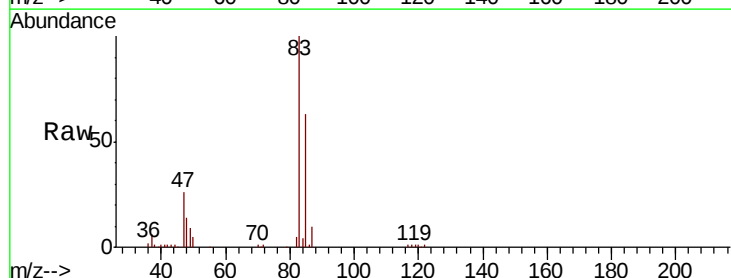
Manual Integrations
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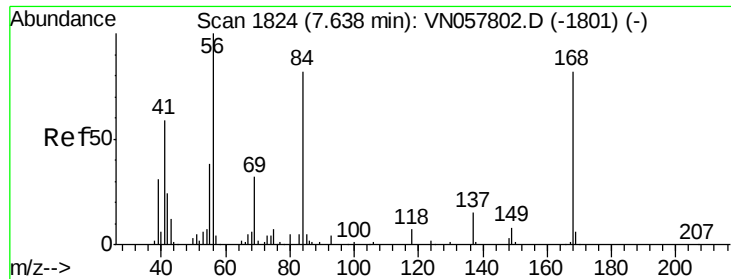
MMDadoda
9/13/2019 5:16:23 AM



#30
Chloroform
Concen: 19.588 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.6	75.8





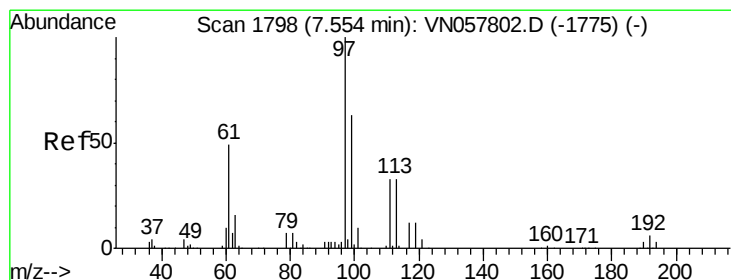
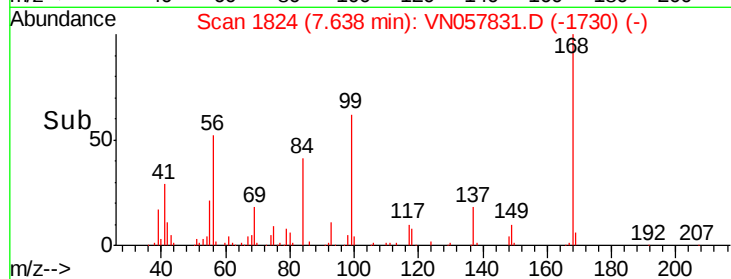
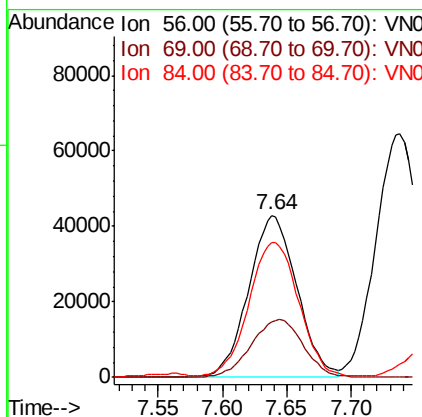
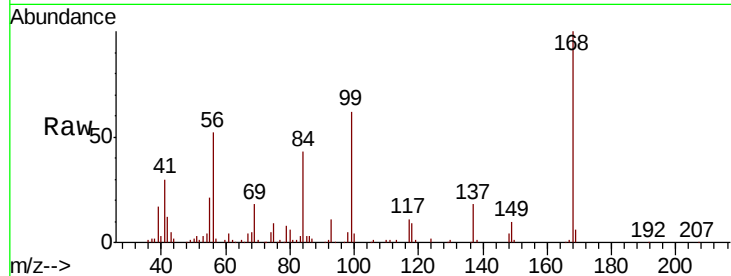
#31
Cyclohexane
Concen: 18.946 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	25.9	38.9
84	82.2	65.6	98.4

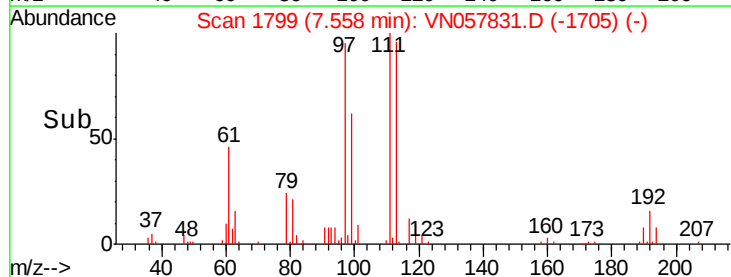
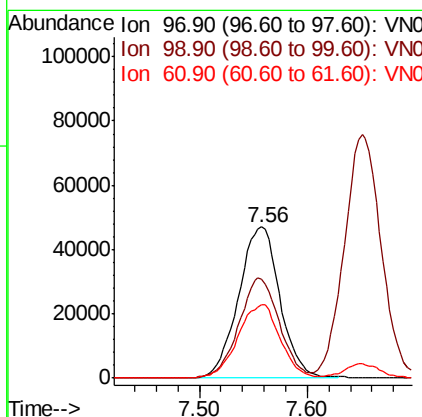
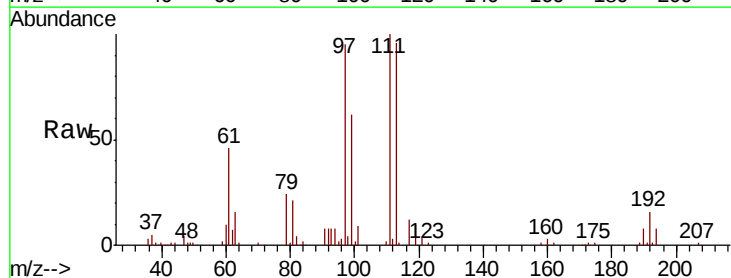
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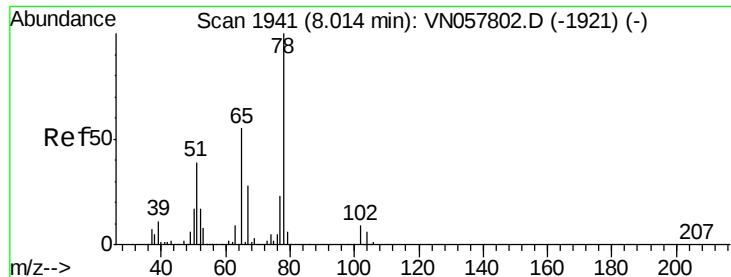
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.727 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	49.6	39.0	58.6





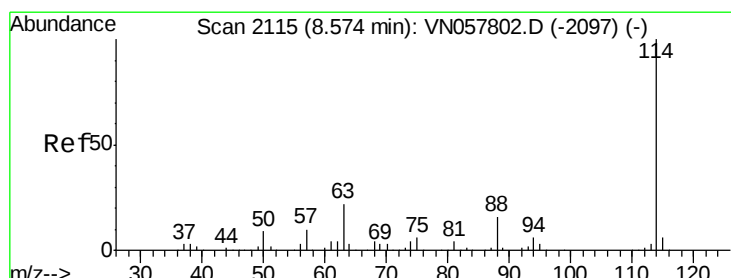
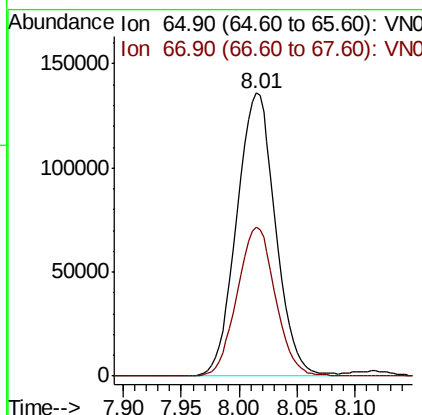
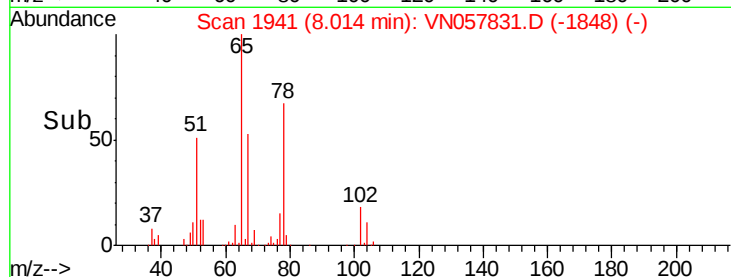
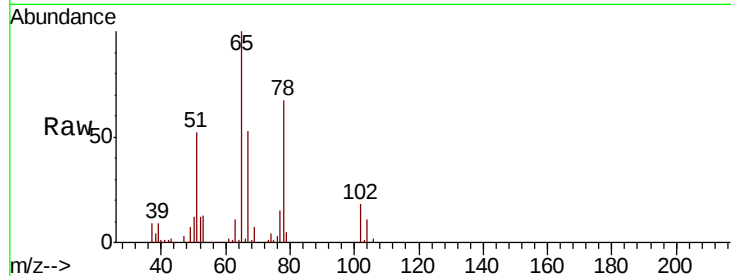
#33
 1,2-Dichloroethane-d4
 Concen: 51.867 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	317199		
67	51.8	0.0	104.0	

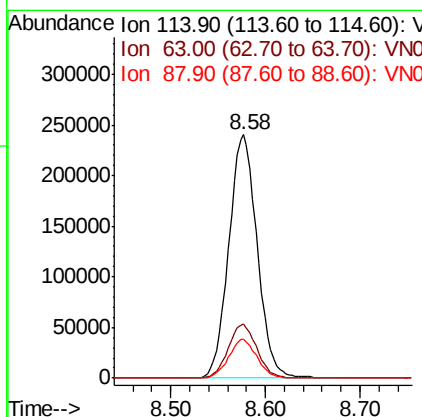
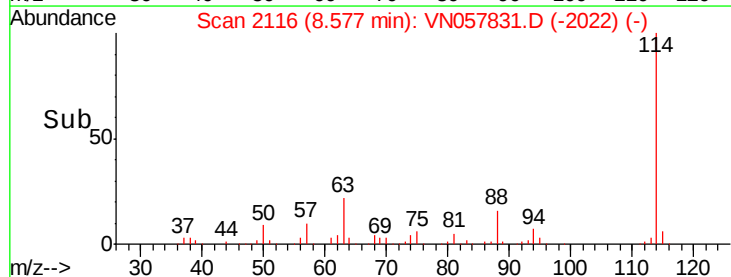
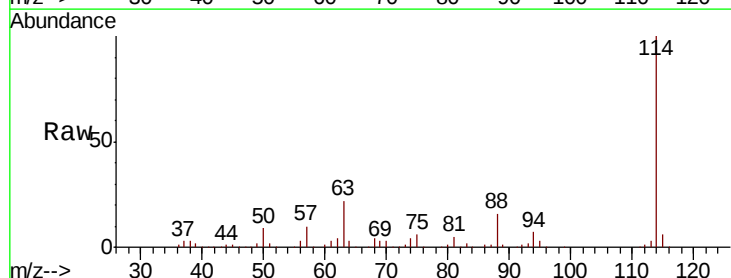
Manual Integrations
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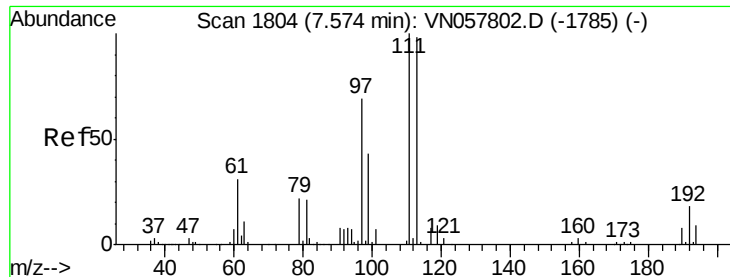
MMDadoda
 9/13/2019 5:16:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	501746		
63	22.0	0.0	44.0	
88	15.8	0.0	31.4	





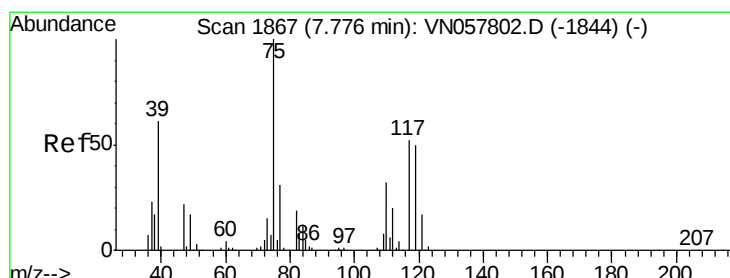
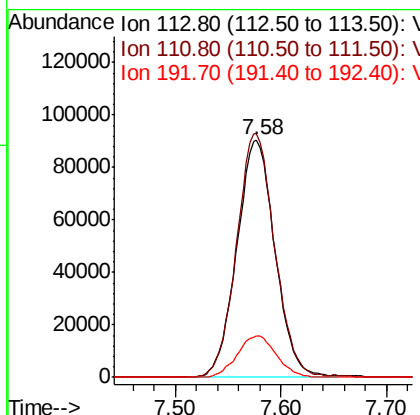
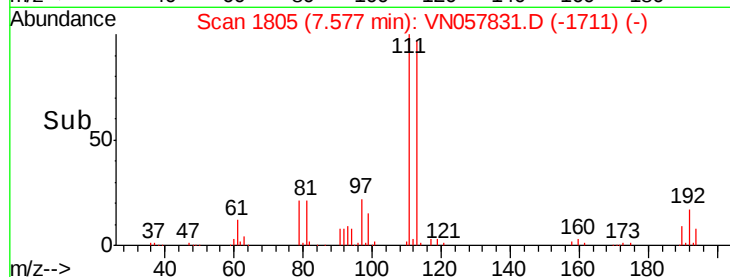
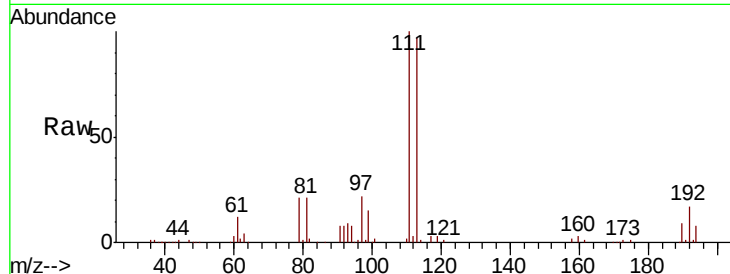
#35
 Dibromofluoromethane
 Concen: 49.070 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227239		
111	102.6	81.3	121.9	
192	18.0	14.6	22.0	

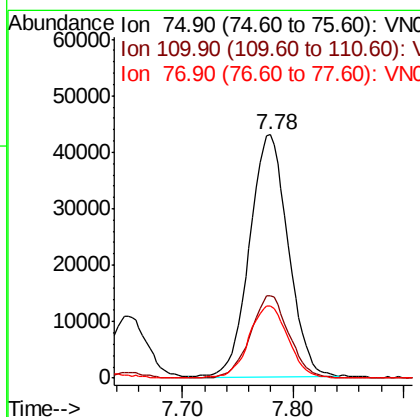
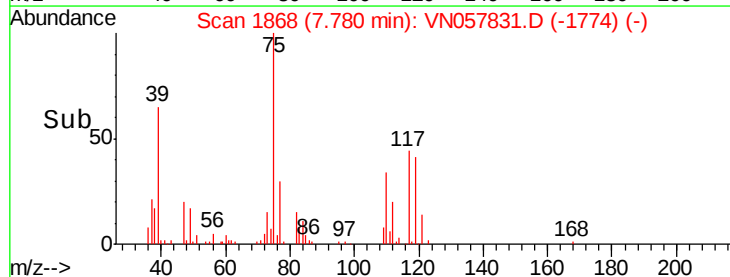
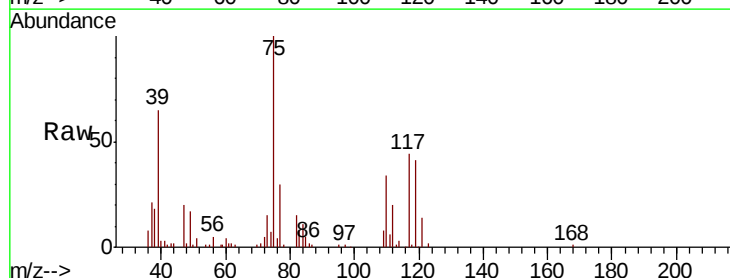
Manual Integrations
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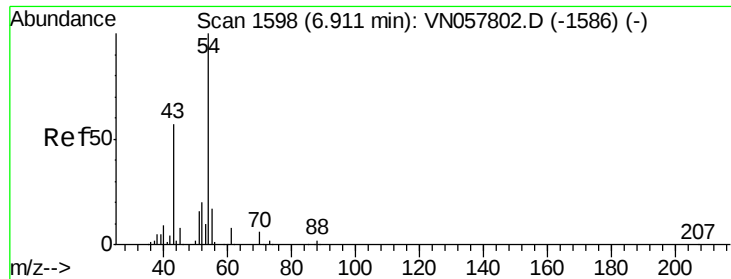
MMDadoda
 9/13/2019 5:16:23 AM



#36
 1,1-Dichloropropene
 Concen: 17.917 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104255		
110	34.0	16.3	48.9	
77	30.1	25.0	37.4	





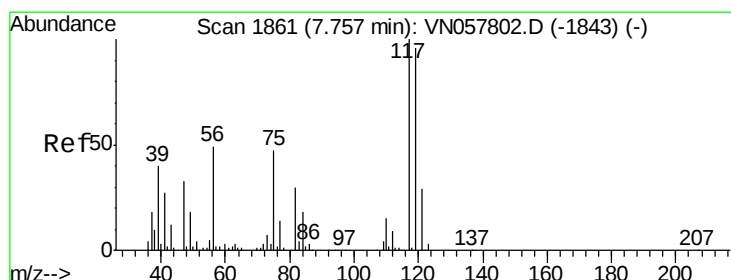
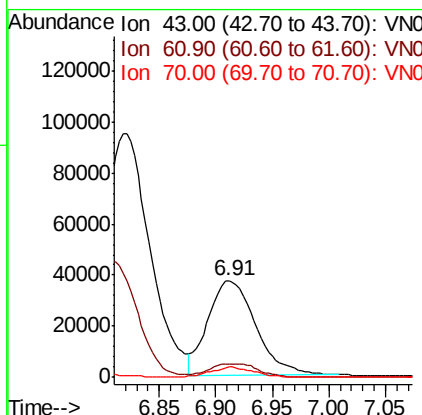
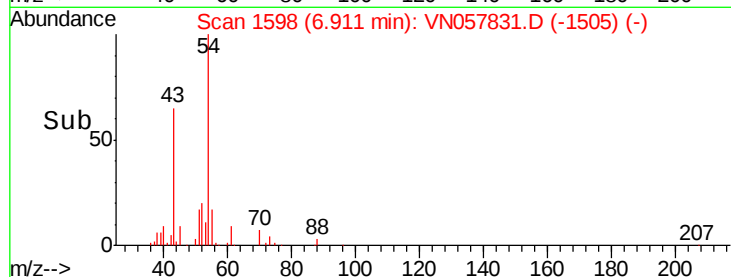
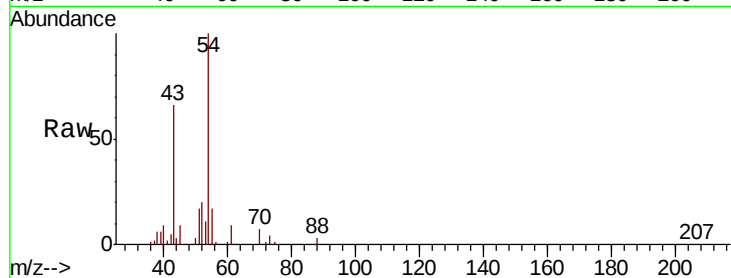
#37
Ethyl Acetate
Concen: 18.252 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	9.7	7.4	11.0

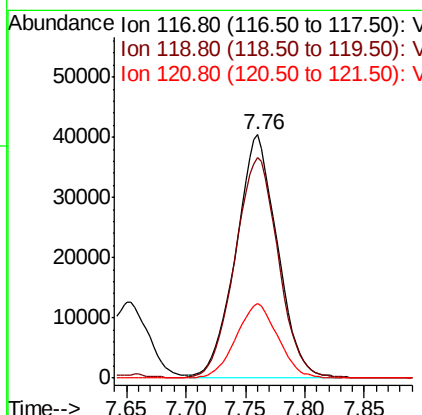
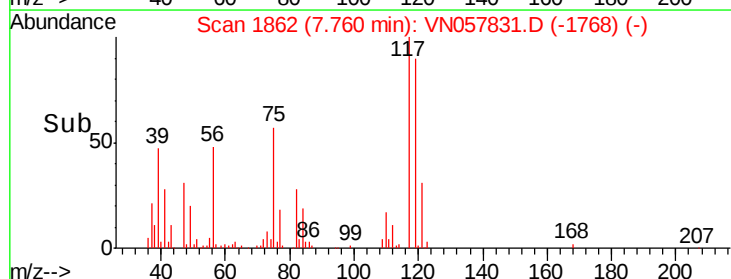
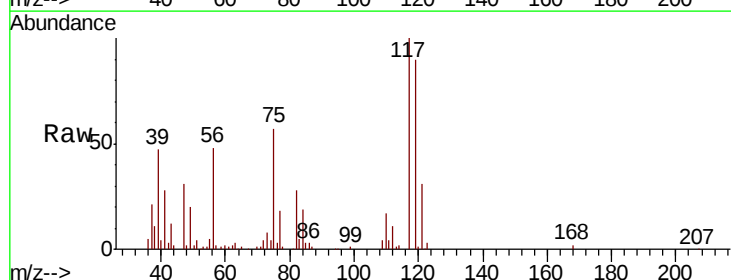
Manual Integrations
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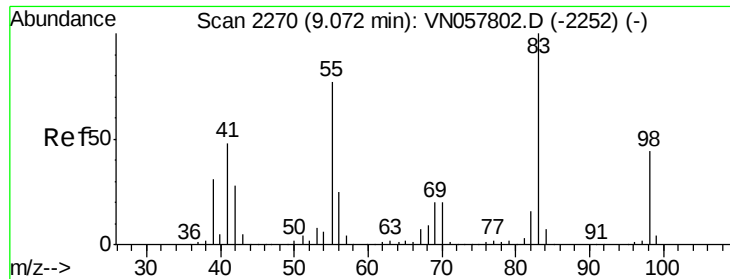
MMDadoda
9/13/2019 5:16:23 AM



#38
Carbon Tetrachloride
Concen: 18.373 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	76.9	115.3
121	30.9	23.4	35.2





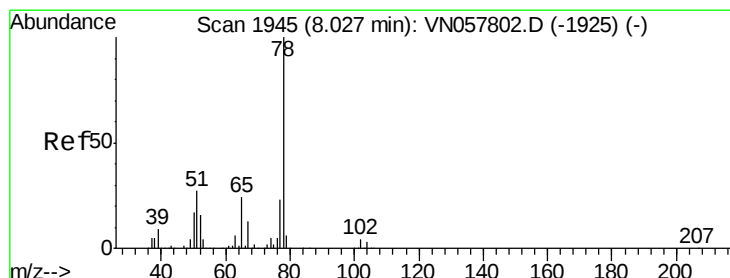
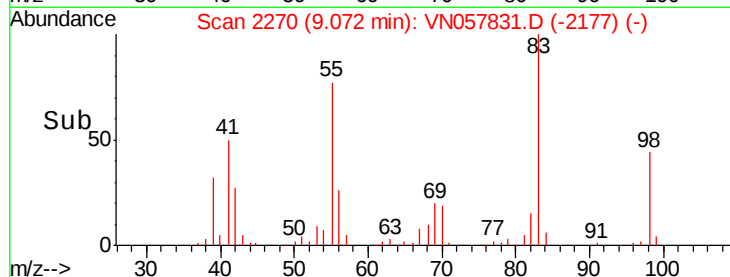
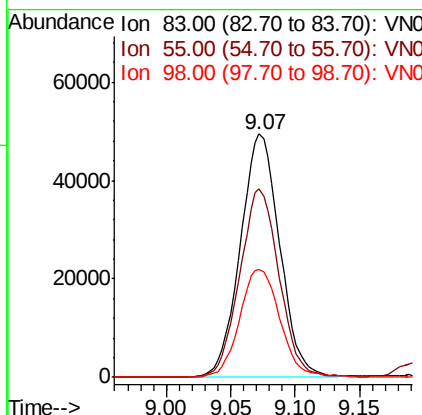
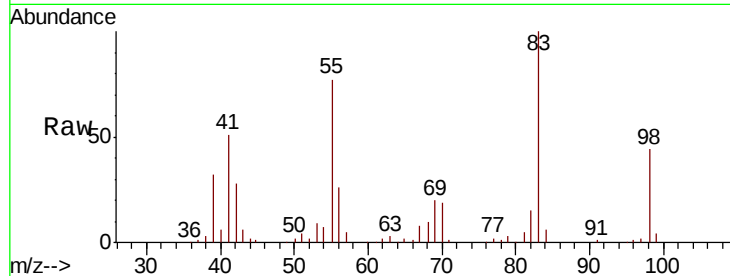
#39
Methvlcvclohexane
Concen: 17.193 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

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

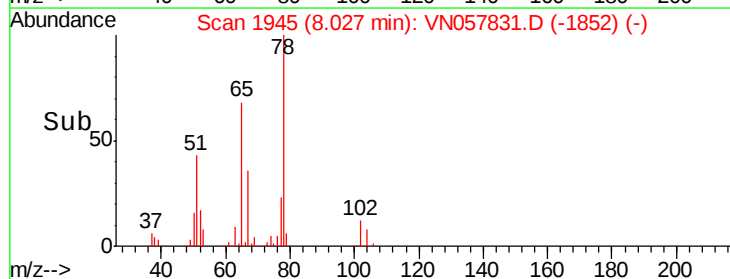
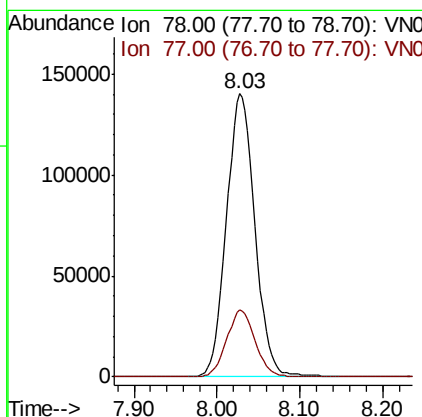
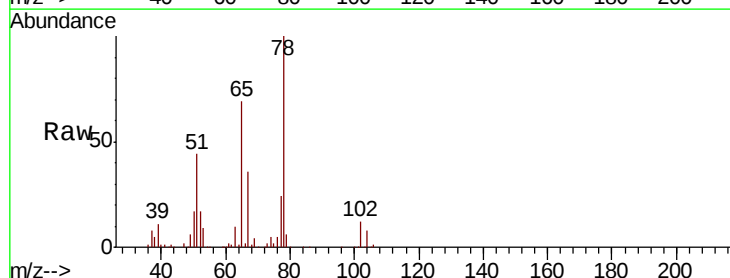
Manual Integrations
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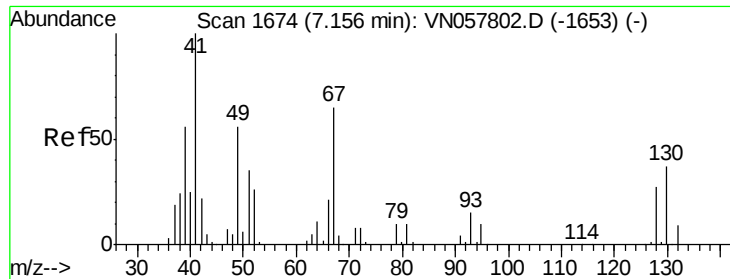
MMDadoda
9/13/2019 5:16:23 AM



#40
Benzene
Concen: 19.088 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5





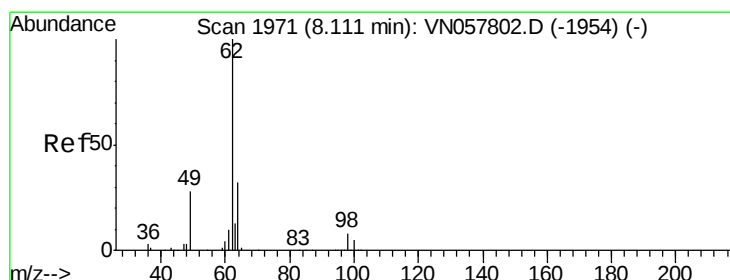
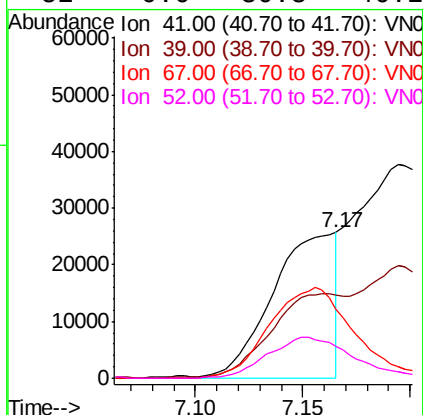
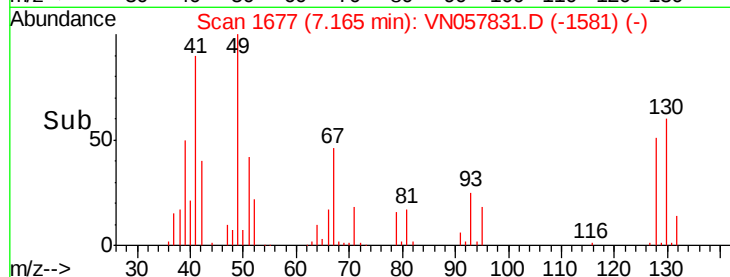
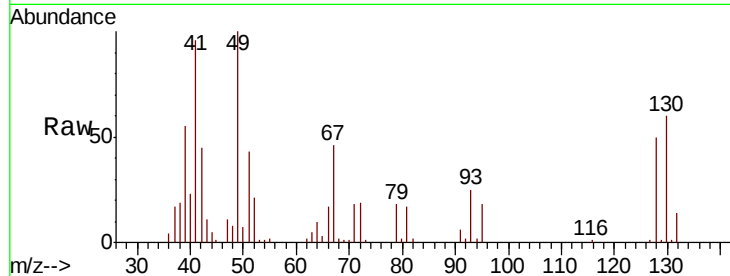
#41
Methacrylonitrile
Concen: 19.413 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

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

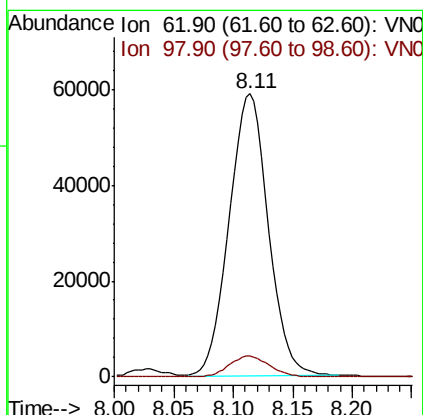
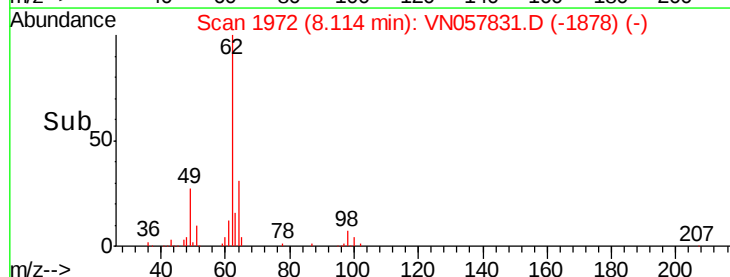
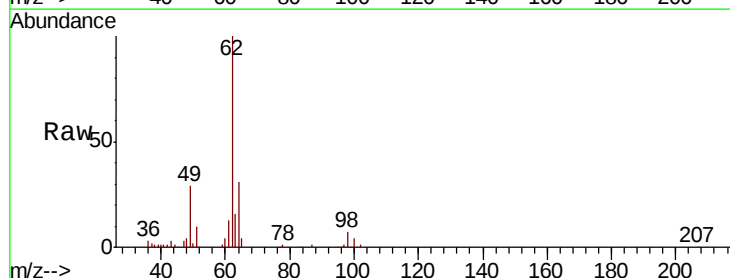
Manual Integrations
APPROVED

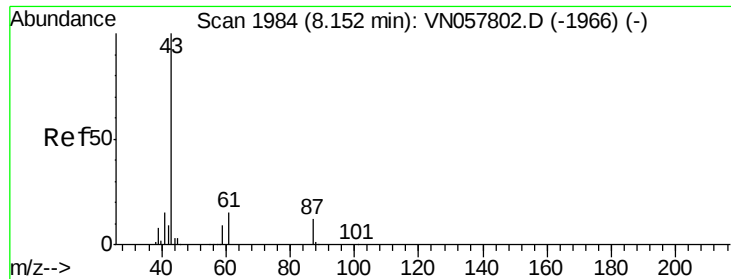
MMDadoda
9/13/2019 5:16:23 AM



#42
1,2-Dichloroethane
Concen: 19.158 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 18.968 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

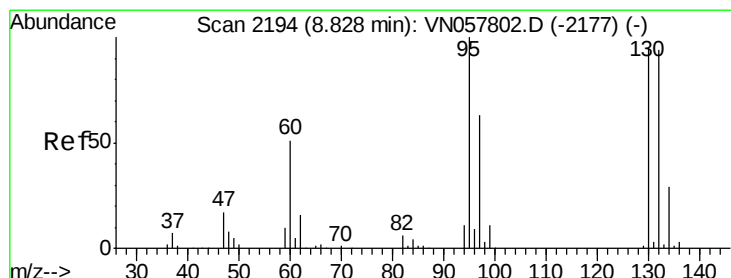
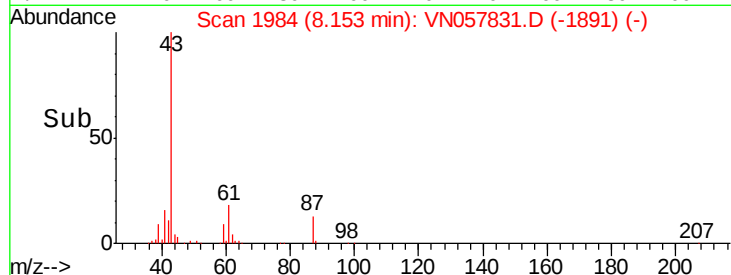
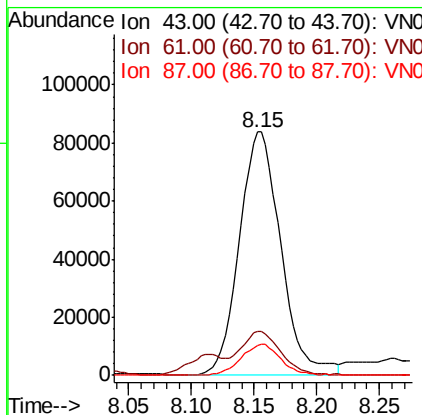
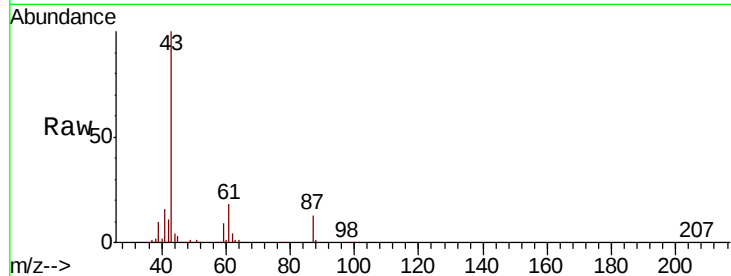
ClientSampleId :

VN0910WBS02

Tot Ion:	43	Resp:	191770
Ion	Ratio	Lower	Upper
43	100		
61	16.7	20.1	30.1#
87	12.5	9.5	14.3

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#44

Trichloroethene

Concen: 18.586 ug/l

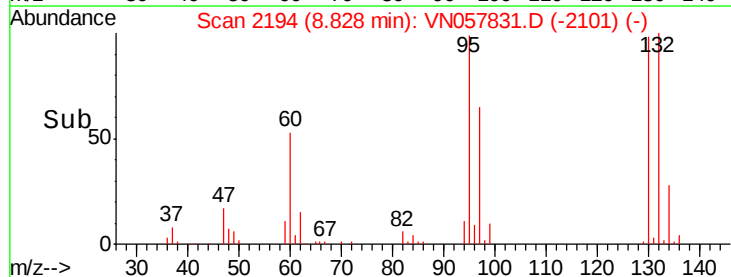
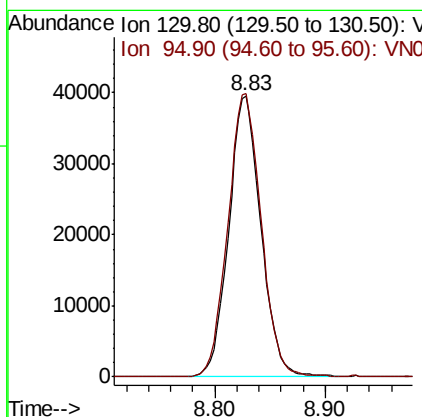
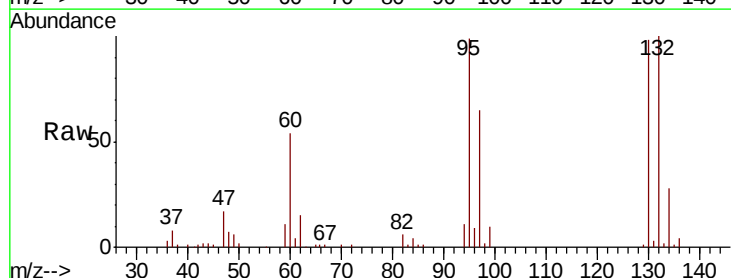
RT: 8.83 min Scan# 2194

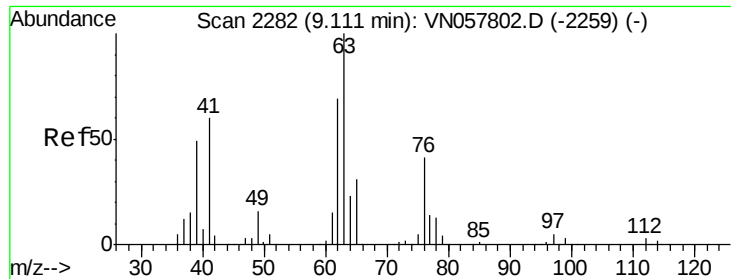
Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Tgt Ion:	130	Resp:	79863
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	211.4





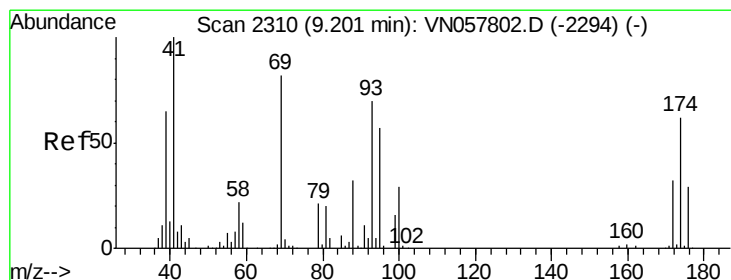
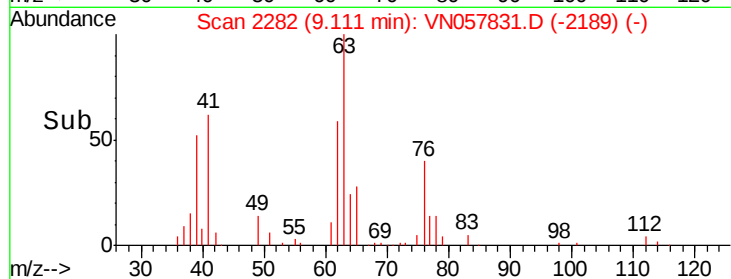
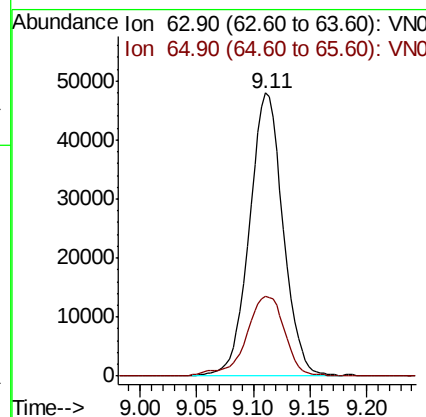
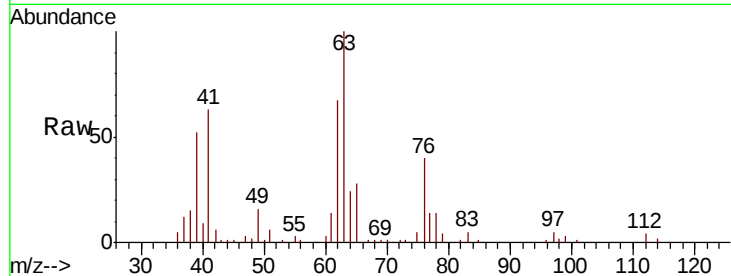
#45
 1,2-Dichloropropane
 Concen: 19.480 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.0	24.8	37.2

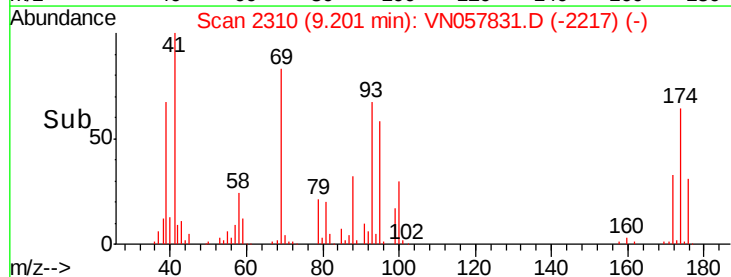
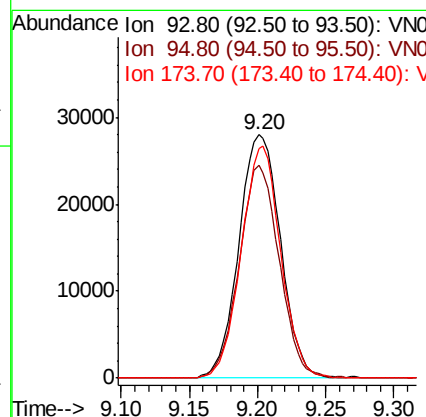
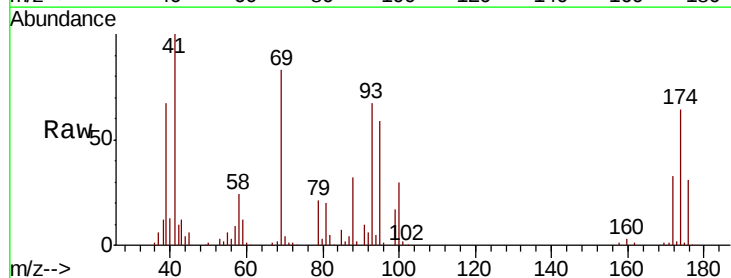
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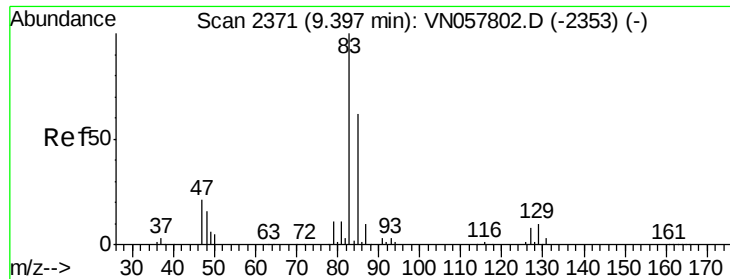
MMDadoda
 9/13/2019 5:16:23 AM



#46
 Dibromomethane
 Concen: 19.257 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.9	98.9
174	90.3	71.8	107.6





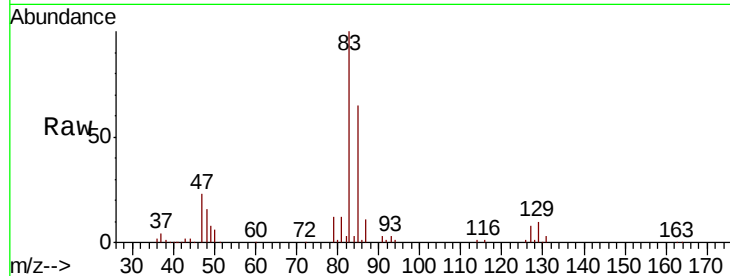
#47
Bromodichloromethane
Concen: 19.054 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

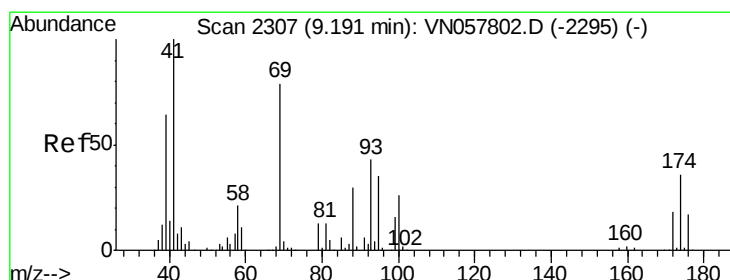
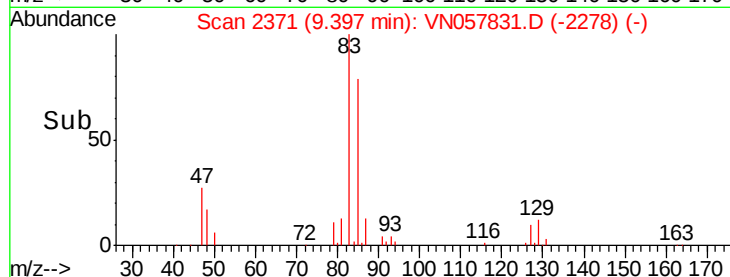
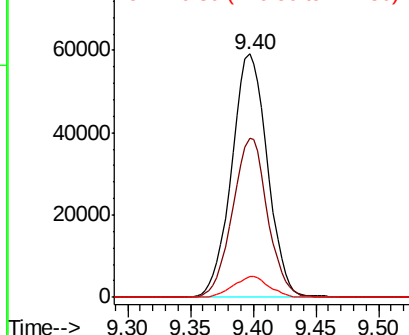
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.4	49.9	74.9	
127	8.4	6.5	9.7	

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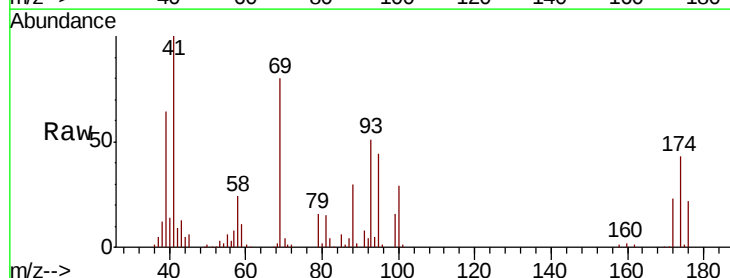


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

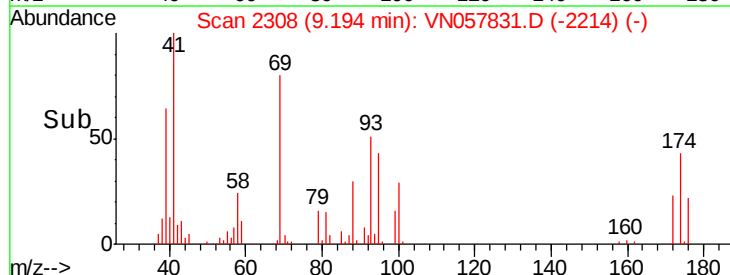
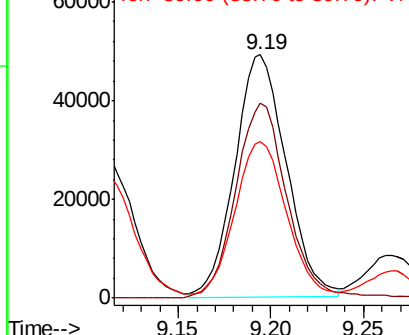


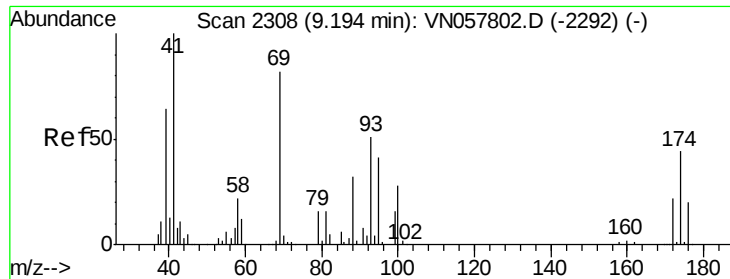
#48
Methyl methacrylate
Concen: 18.431 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	80.9	62.7	94.1	
39	64.8	52.7	79.1	



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





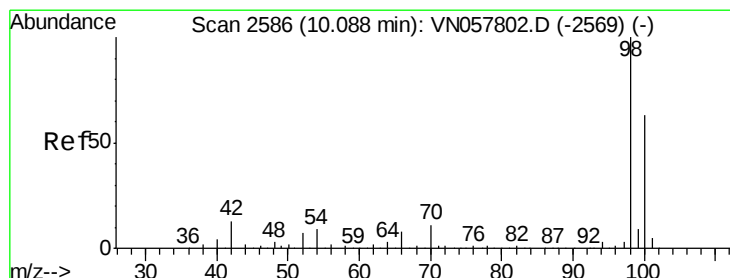
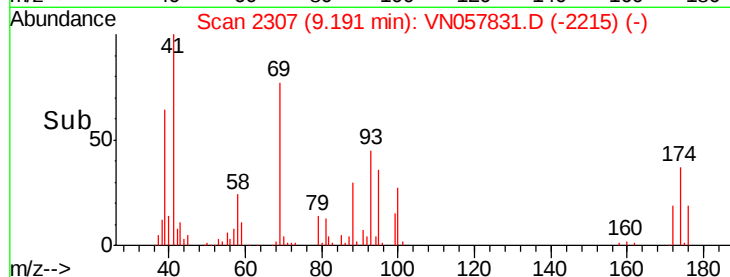
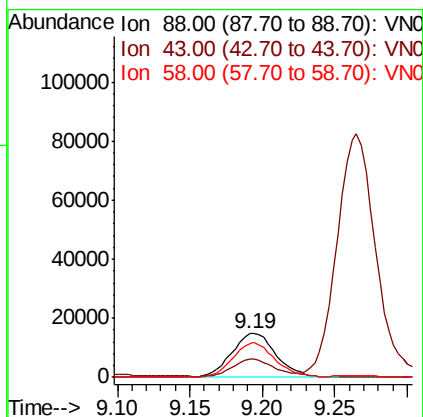
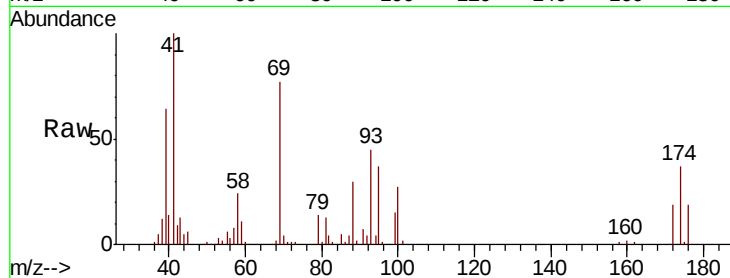
#49
1,4-Dioxane
Concen: 365.817 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.5	42.7
58	75.1	55.8	83.6

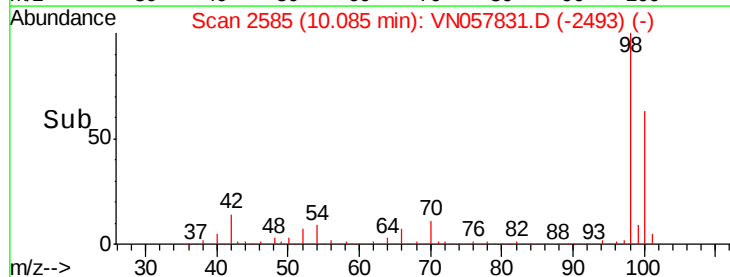
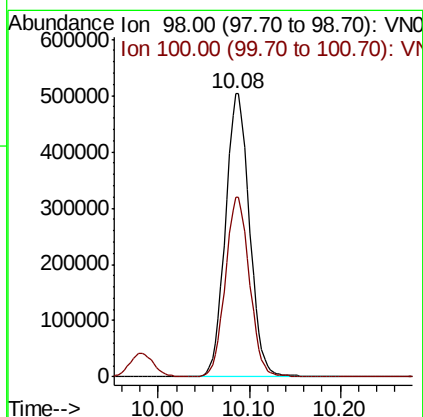
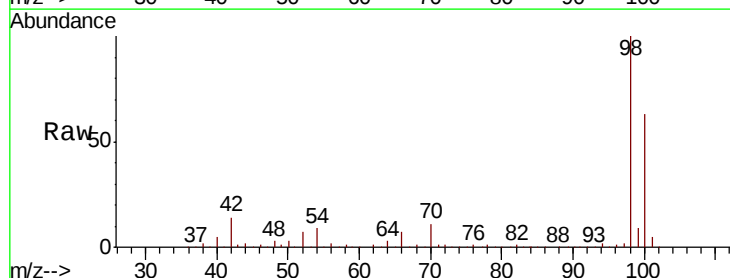
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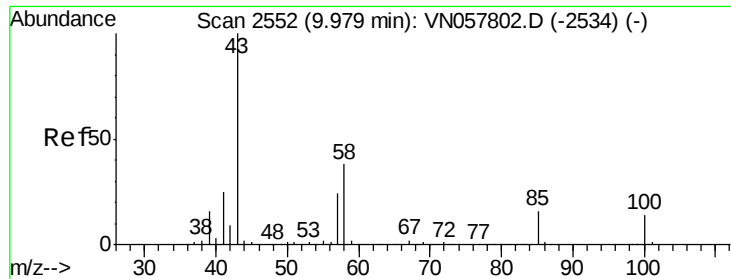
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#50
Toluene-d8
Concen: 51.595 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.3	75.5





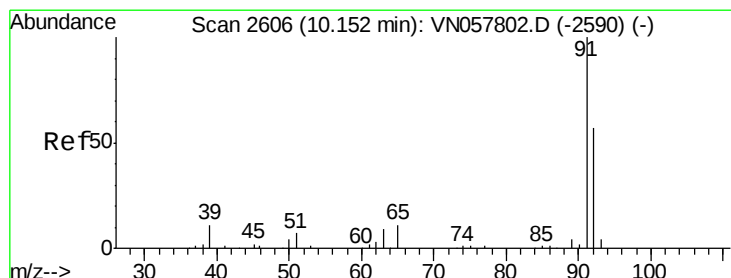
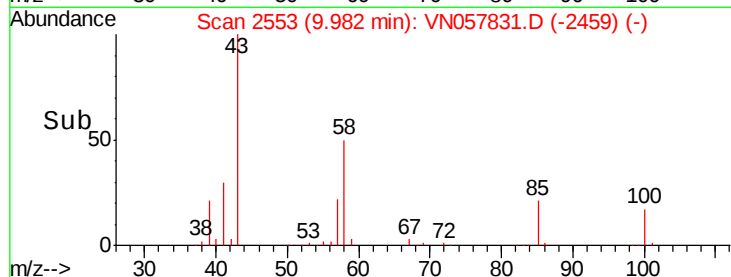
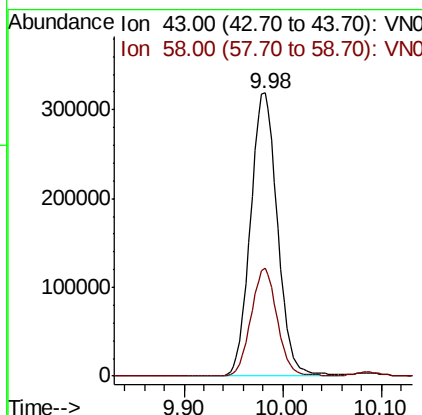
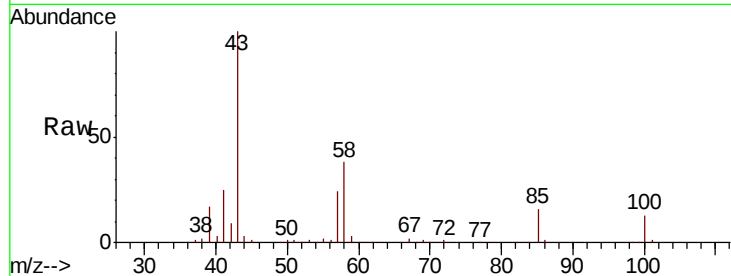
#51
4-Methyl-2-Pentanone
Concen: 100.420 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	29.8	44.6

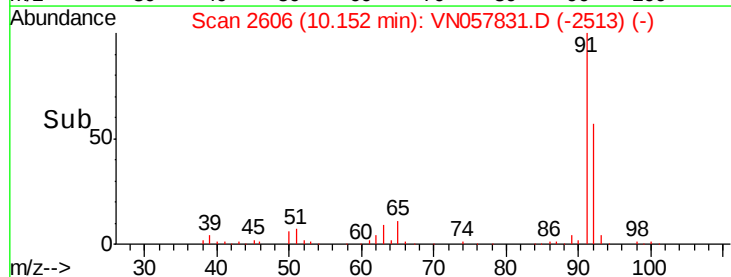
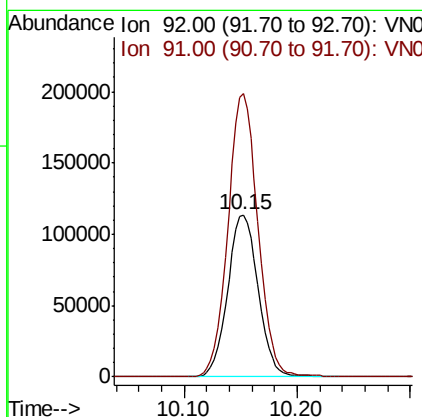
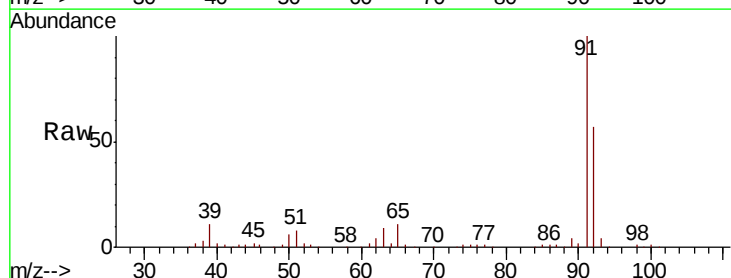
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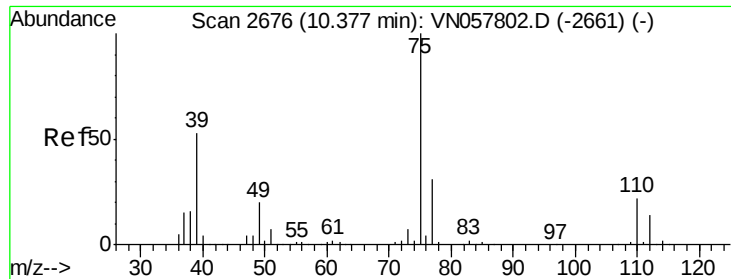
MMDadoda
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#52
Toluene
Concen: 19.315 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.8	141.0	211.6





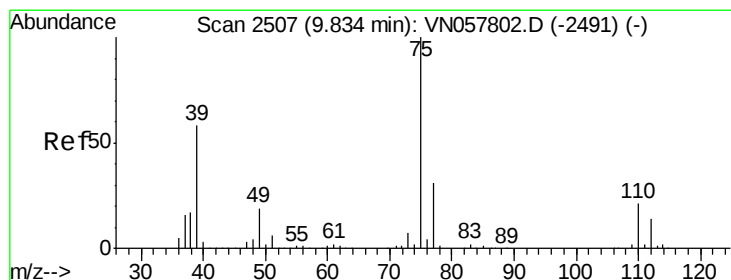
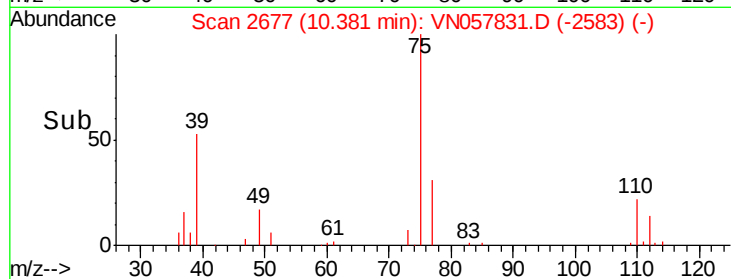
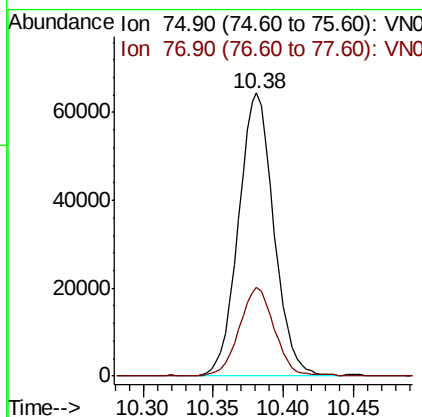
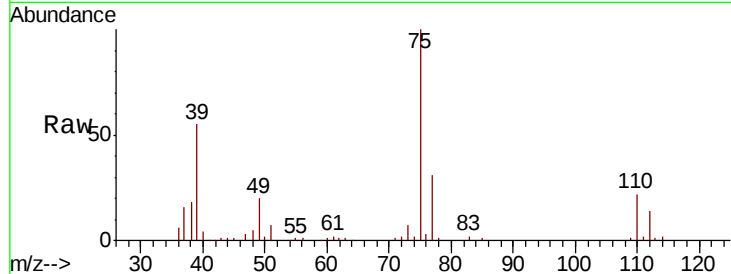
#53
 t-1,3-Dichloropropene
 Concen: 17.487 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion: 75 Resp: 113277
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7

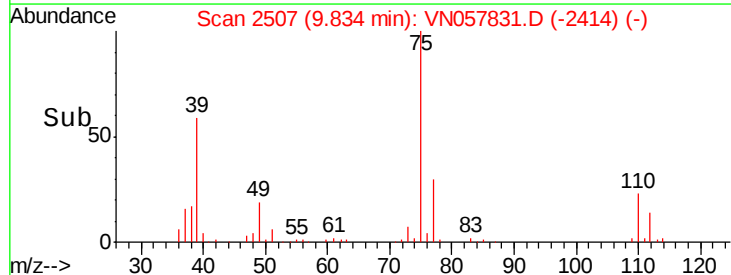
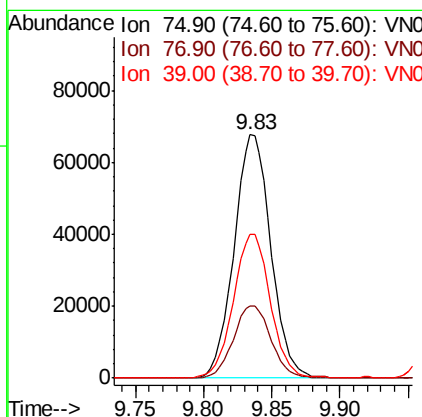
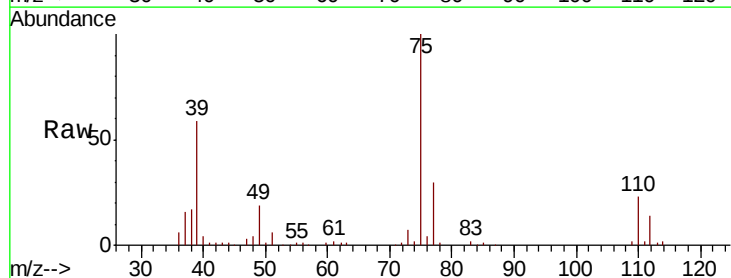
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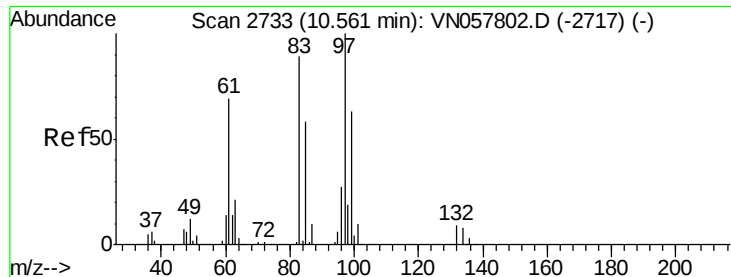
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#54
 cis-1,3-Dichloropropene
 Concen: 17.708 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Tgt Ion: 75 Resp: 126646
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.8 37.2
 39 59.1 46.2 69.4





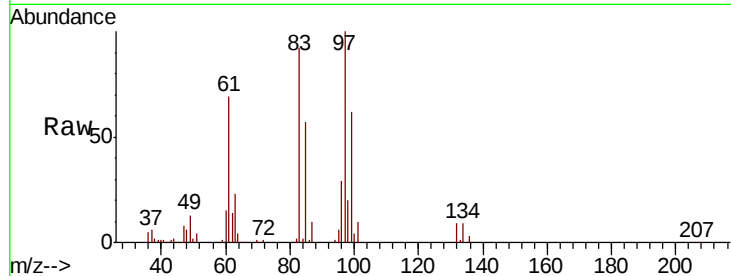
#55
 1,1,2-Trichloroethane
 Concen: 19.000 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

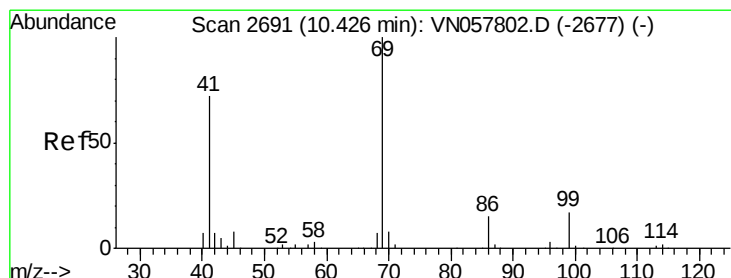
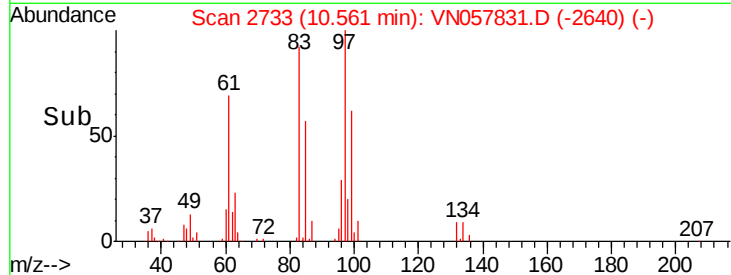
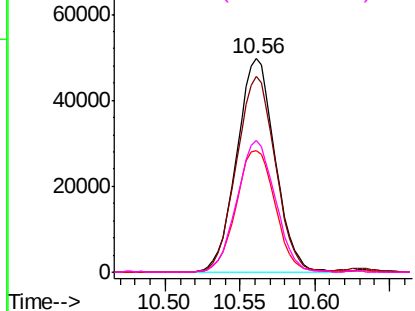
Tot Ion:	97	Resp:	88804
Ion	Ratio	Lower	Upper
97	100		
83	91.6	70.8	106.2
85	57.2	46.0	69.0
99	61.6	50.6	76.0

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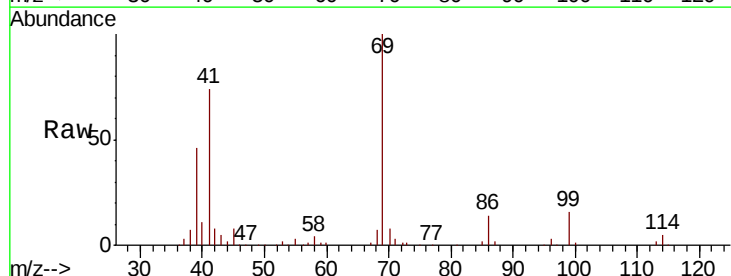


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

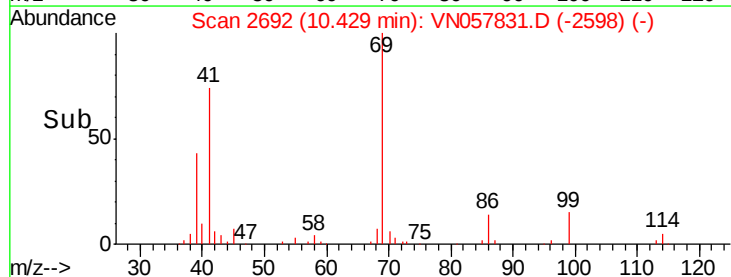
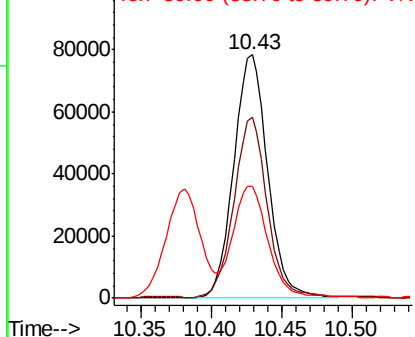


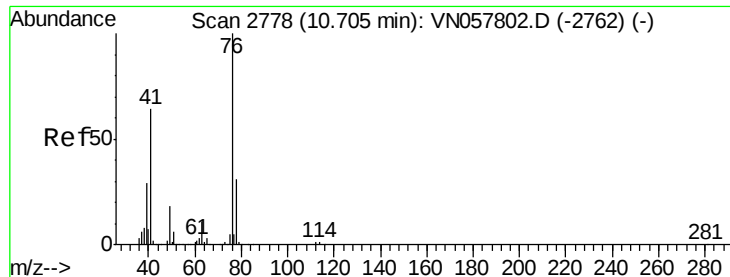
#56
 Ethyl methacrylate
 Concen: 18.826 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Tgt Ion:	69	Resp:	132506
Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.7	85.1
39	46.9	36.3	54.5



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





#57

1,3-Dichloropropane

Concen: 19.337 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 76 Resp: 155759

Ion Ratio Lower Upper

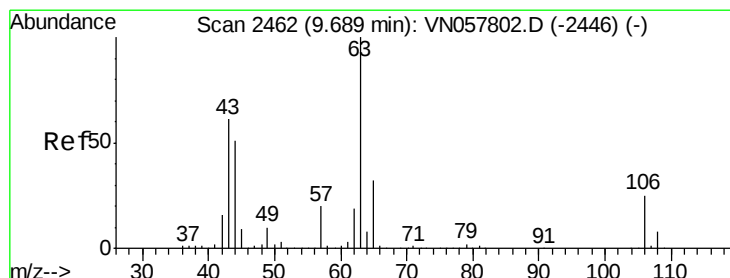
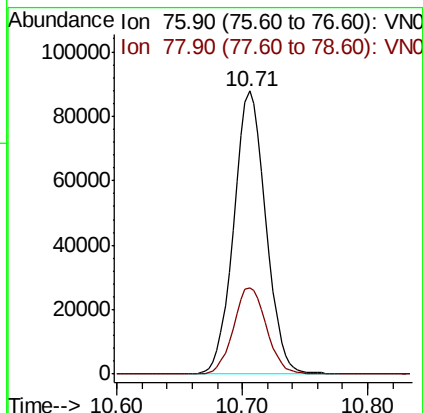
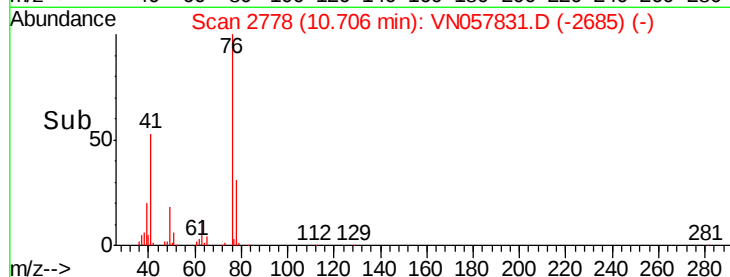
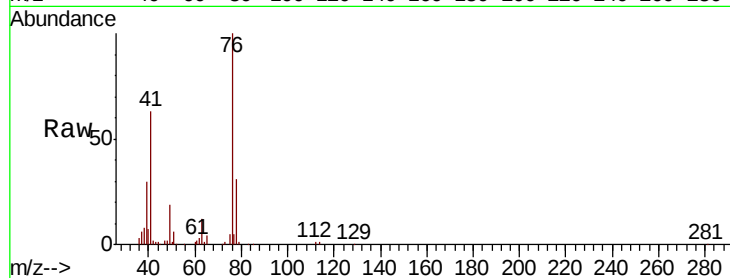
76 100

78 31.5 25.4 38.2

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9/13/2019 5:16:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.953 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057831.D

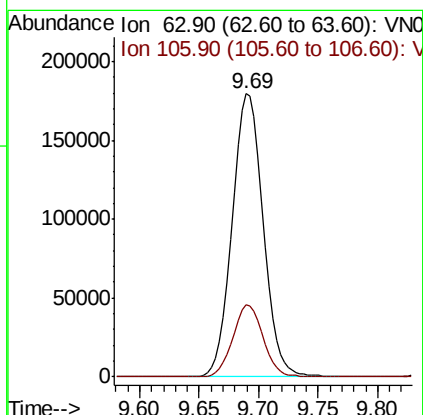
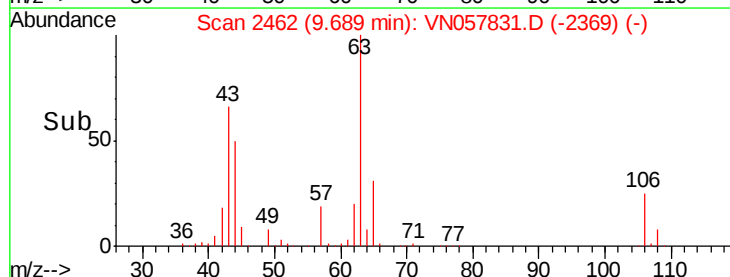
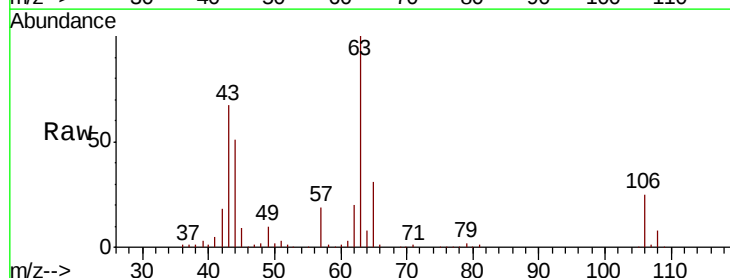
Acq: 10 Sep 2019 3:34

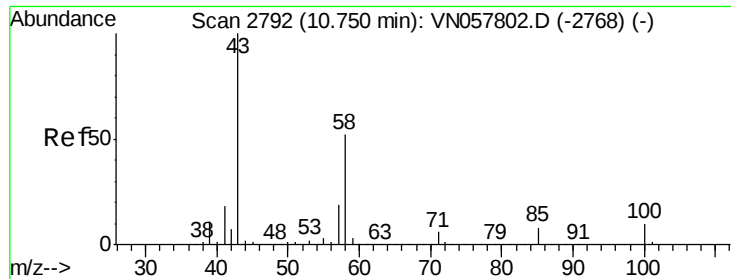
Tgt Ion: 63 Resp: 324714

Ion Ratio Lower Upper

63 100

106 24.9 20.0 30.0





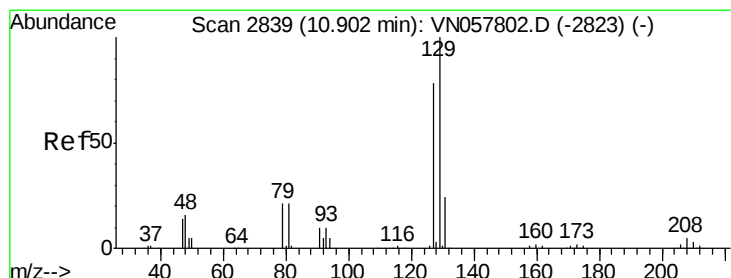
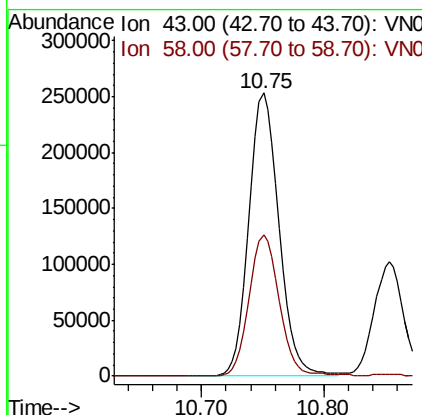
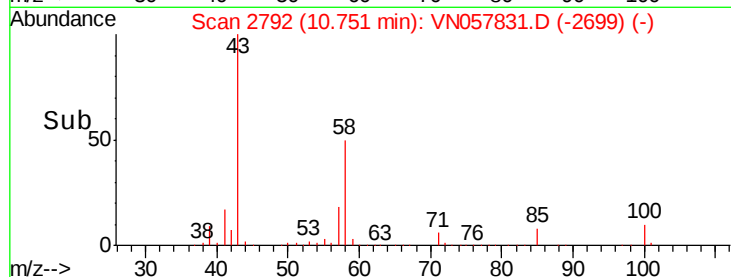
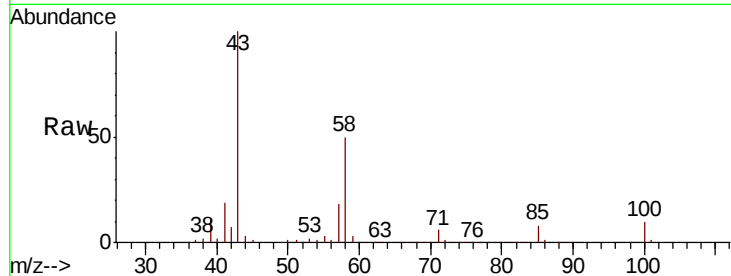
#59
2-Hexanone
Concen: 95.482 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion: 43 Resp: 428183
Ion Ratio Lower Upper
43 100
58 50.4 25.6 76.8

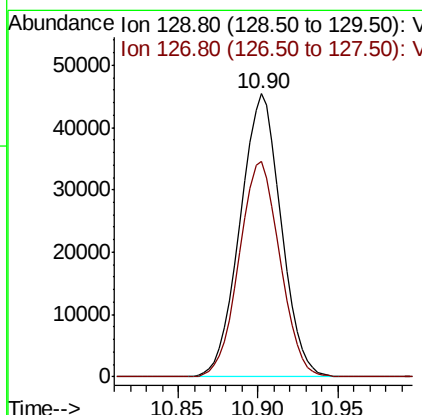
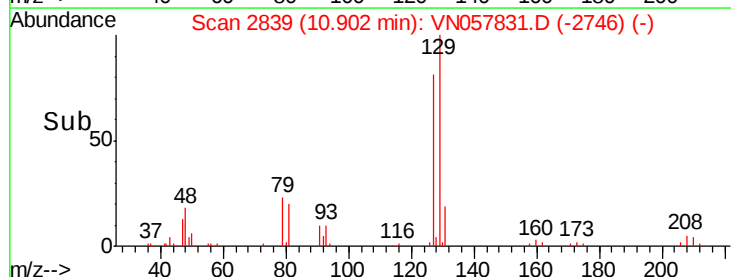
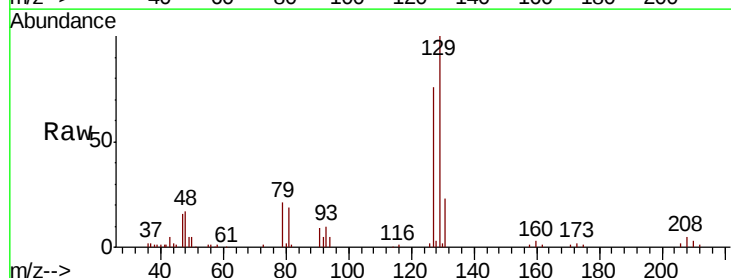
Manual Integrations
APPROVED

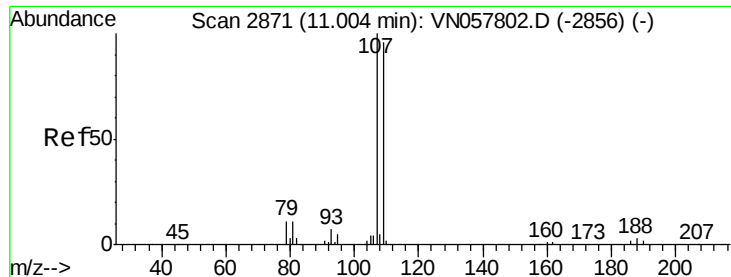
MMDadoda
9/13/2019 5:16:23 AM



#60
Dibromochloromethane
Concen: 18.238 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion: 129 Resp: 79155
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.148 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 107 Resp: 84609

Ion Ratio Lower Upper

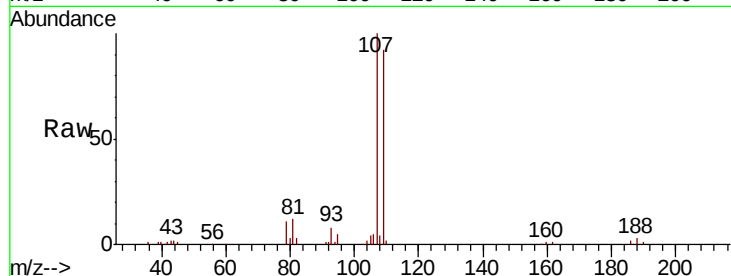
107 100

109 94.2 75.3 112.9

Manual Integrations
APPROVED

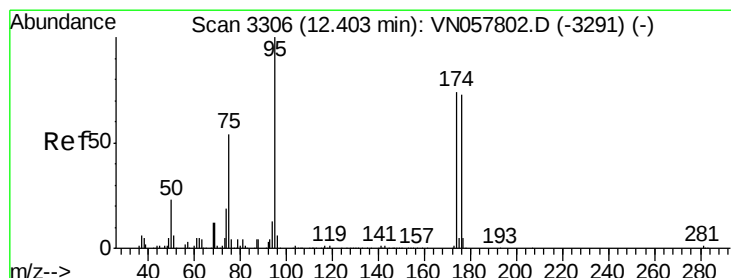
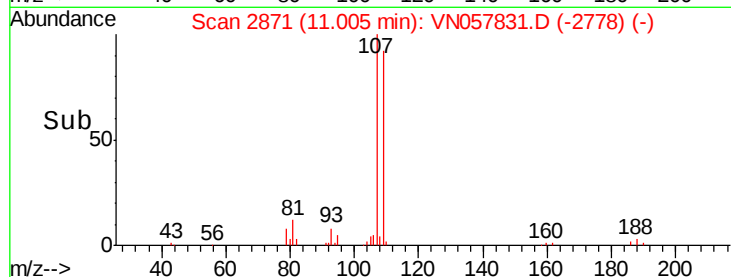
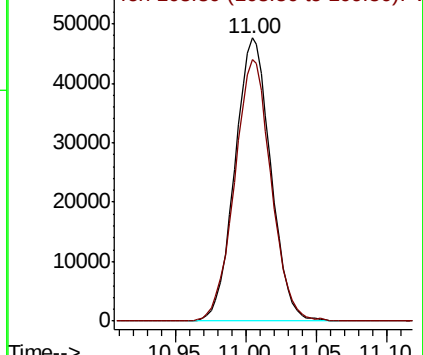
MMDadoda

9/13/2019 5:16:23 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.374 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

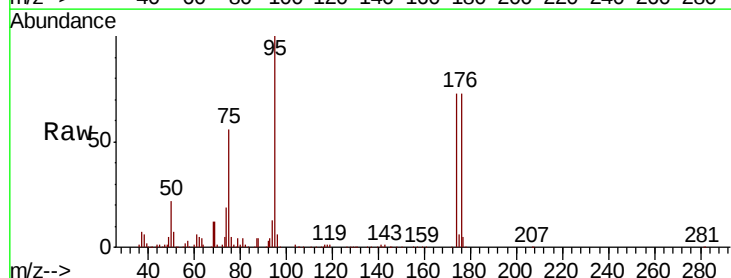
Tgt Ion: 95 Resp: 317746

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.2

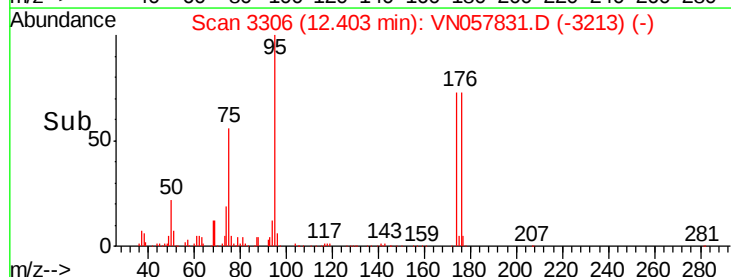
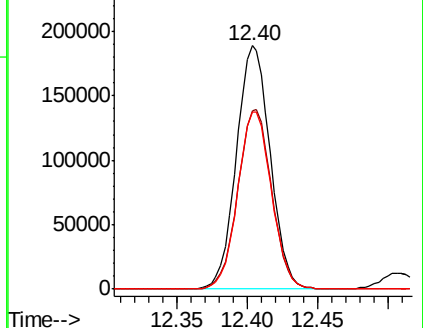
176 72.9 0.0 146.0

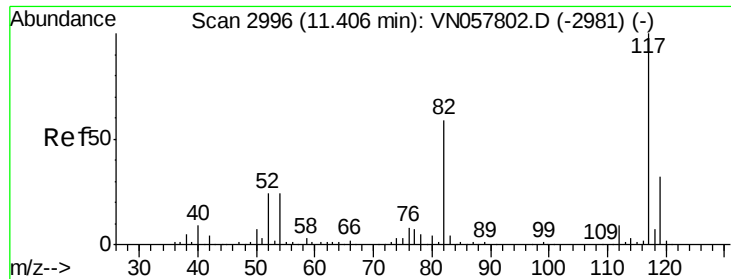


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





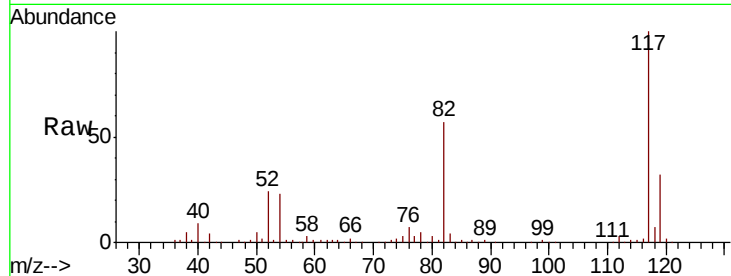
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.2	70.8
119	31.5	25.3	37.9

Manual Integrations
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MMDadoda
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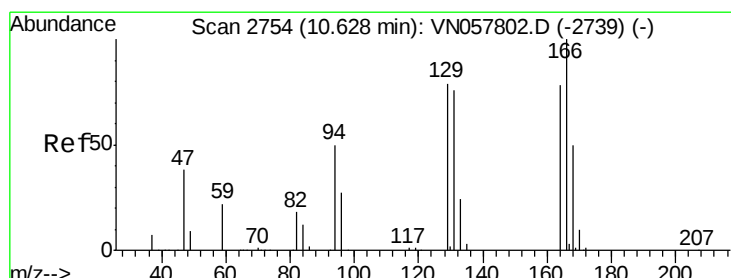
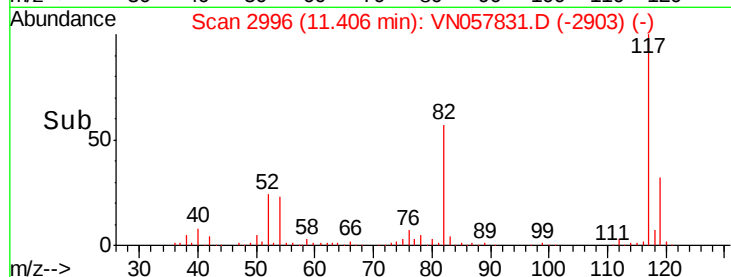
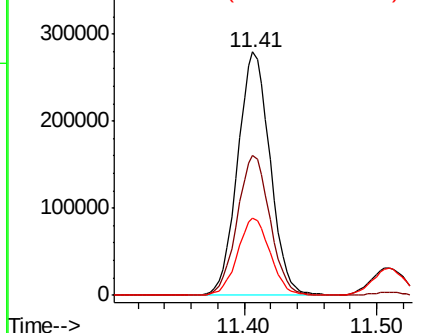


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.804 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	102.2	153.2
129	100.2	80.8	121.2
131	99.3	77.4	116.2

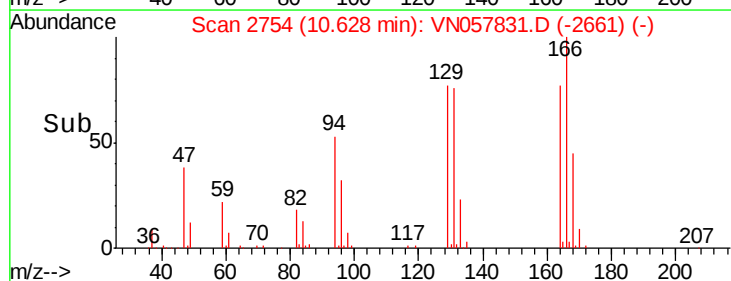
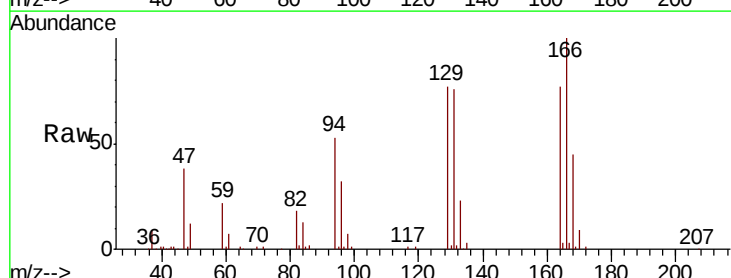
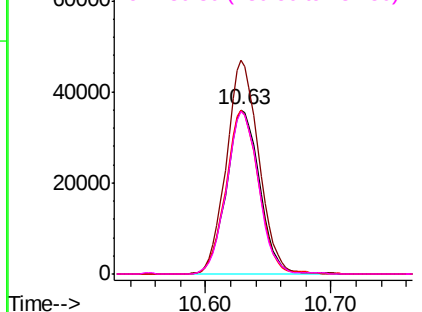
Abundance

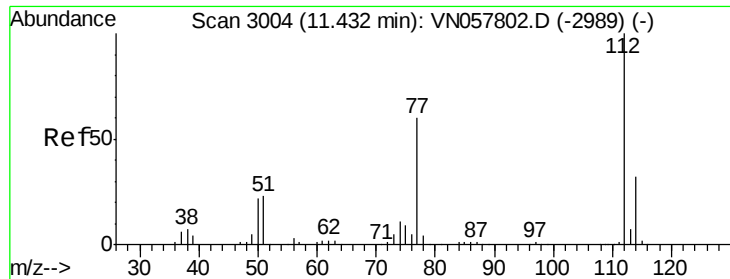
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.906 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion:112 Resp: 234848

Ion Ratio Lower Upper

112 100

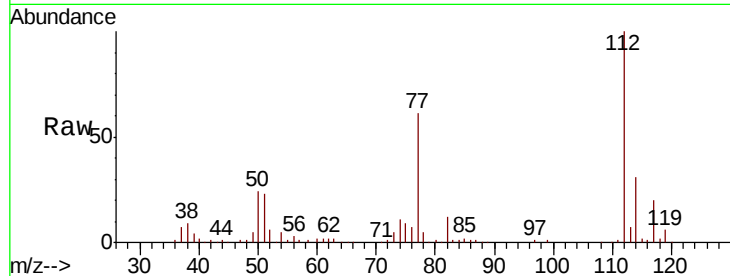
114 30.9 25.2 37.8

Manual Integrations

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9/13/2019 5:16:23 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

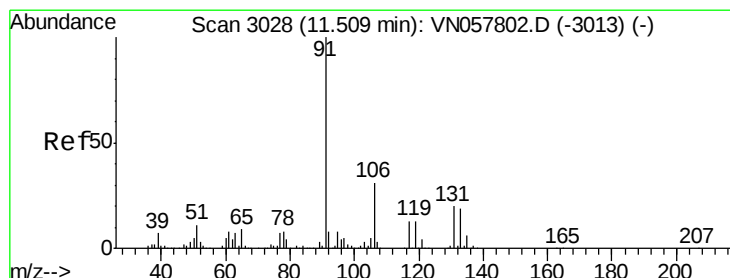
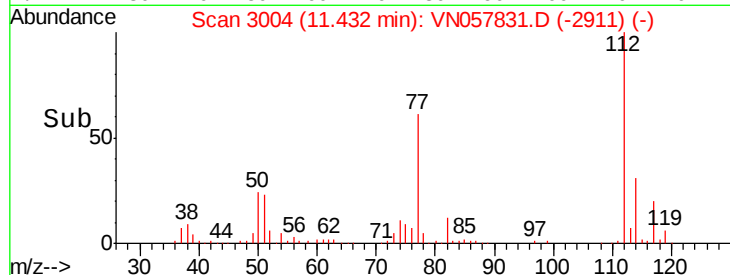
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.672 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

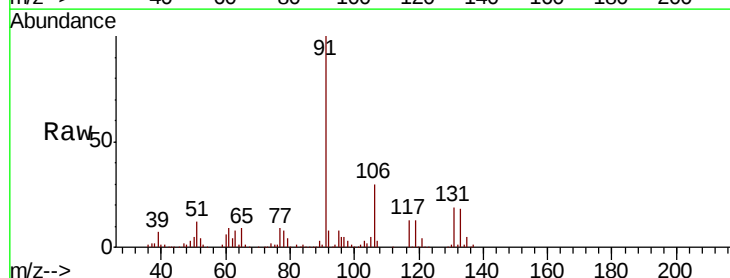
Tgt Ion:131 Resp: 80483

Ion Ratio Lower Upper

131 100

133 94.2 47.1 141.3

119 66.9 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

60000

50000

40000

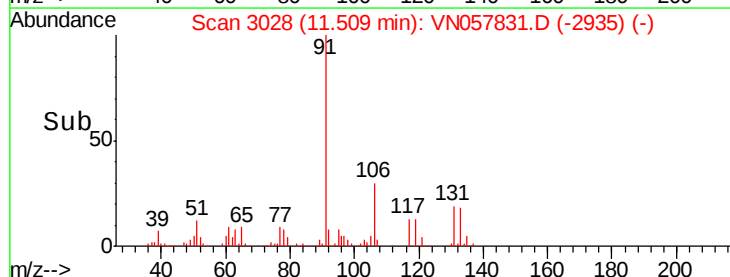
30000

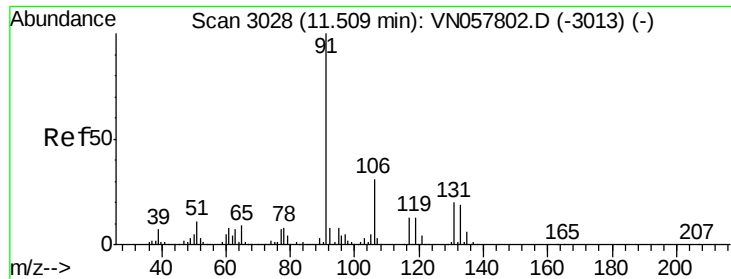
20000

10000

0

Time-->





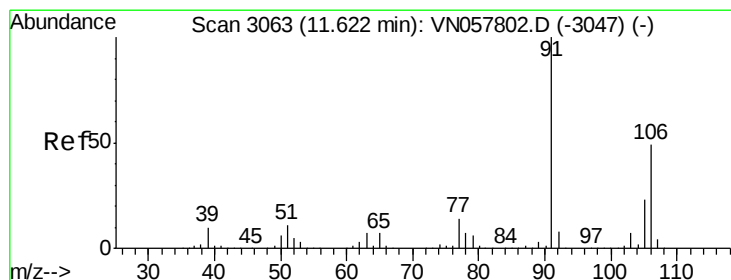
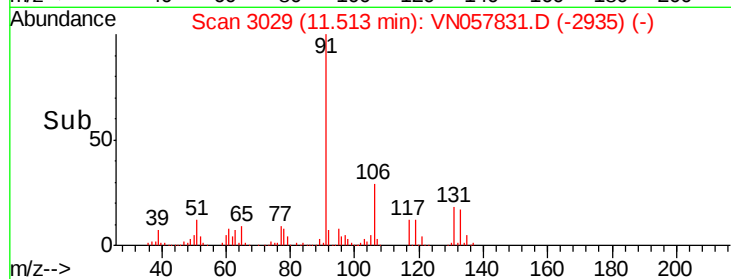
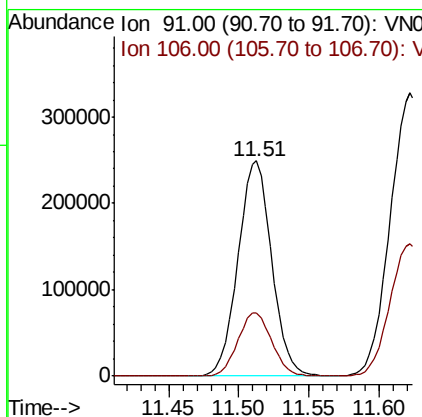
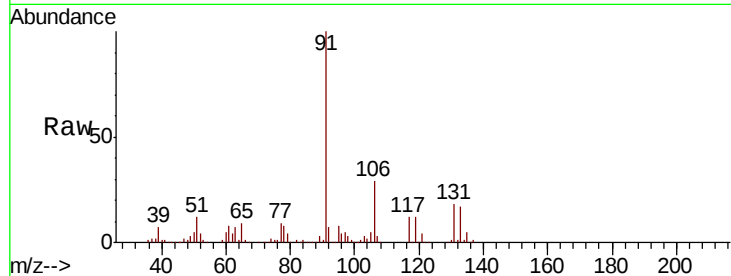
#67
Ethyl Benzene
Concen: 19.202 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion: 91 Resp: 418032
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6

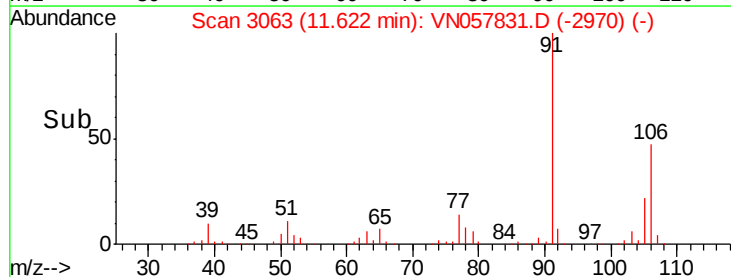
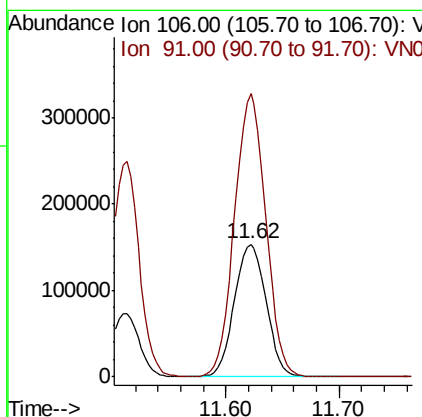
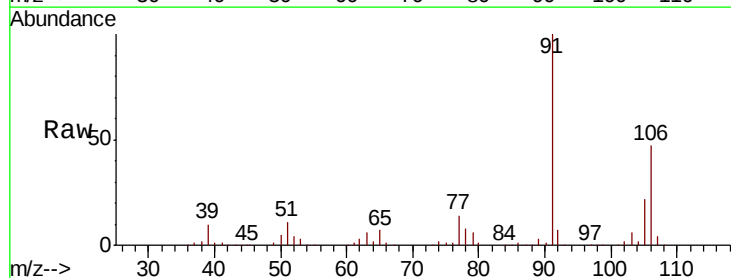
Manual Integrations
APPROVED

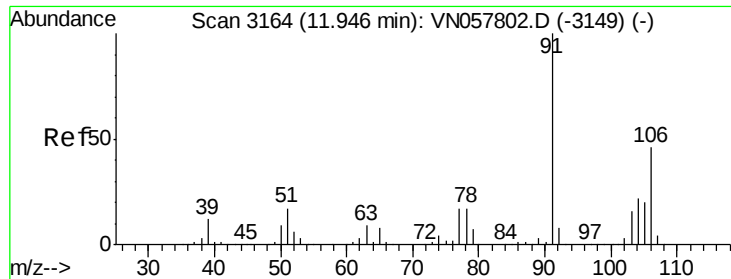
MMDadoda
9/13/2019 5:16:23 AM



#68
m/p-Xylenes
Concen: 37.686 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion: 106 Resp: 300518
Ion Ratio Lower Upper
106 100
91 209.7 165.8 248.6





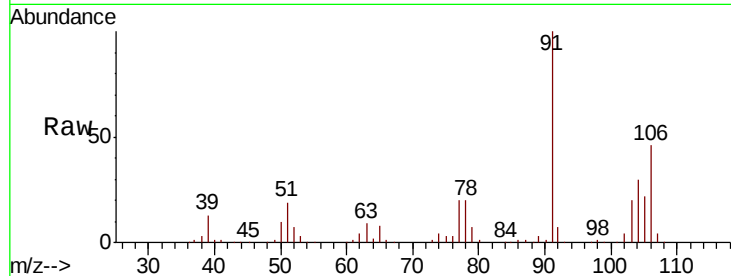
#69
o-Xylene
Concen: 19.099 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

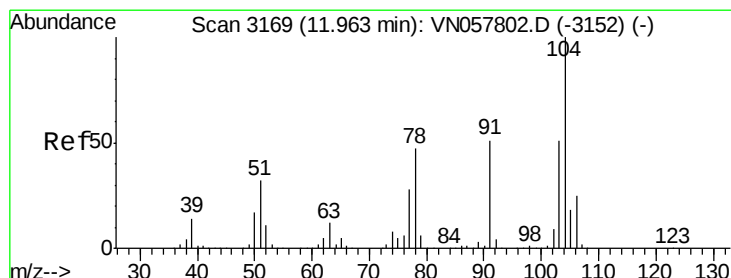
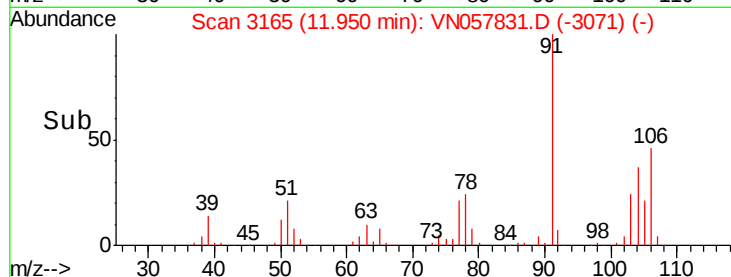
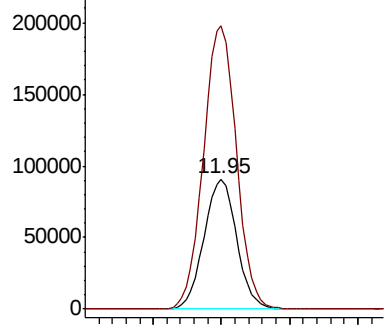
Tot Ion:106 Resp: 151411
Ion Ratio Lower Upper
106 100
91 219.2 108.7 326.1

Manual Integrations
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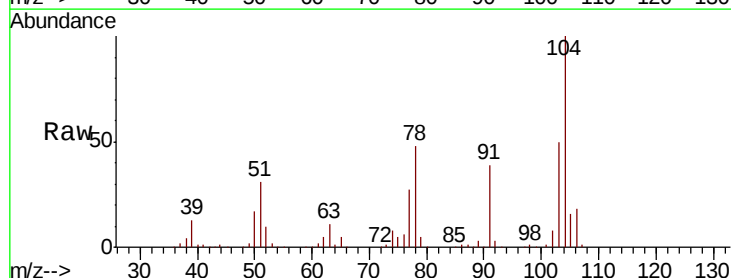


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

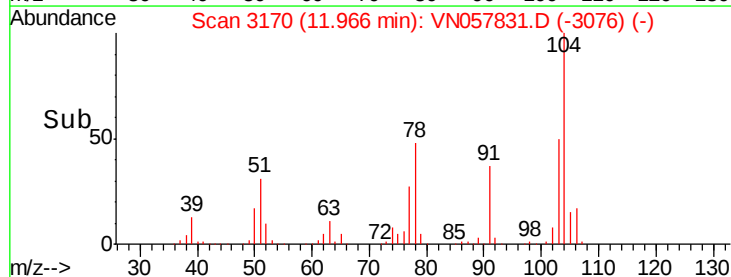
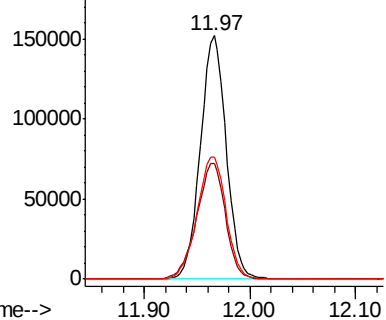


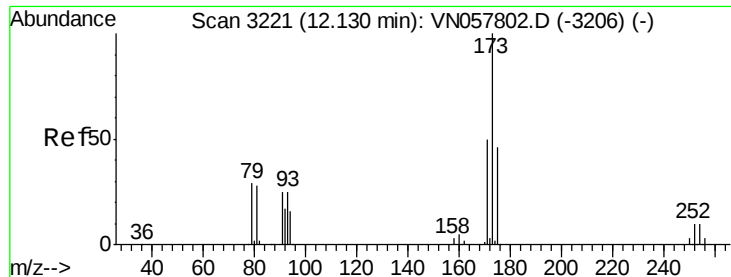
#70
Styrene
Concen: 18.904 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion:104 Resp: 257918
Ion Ratio Lower Upper
104 100
78 52.9 41.3 61.9
103 56.3 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.362 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion:173 Resp: 46657

Ion Ratio Lower Upper

173 100

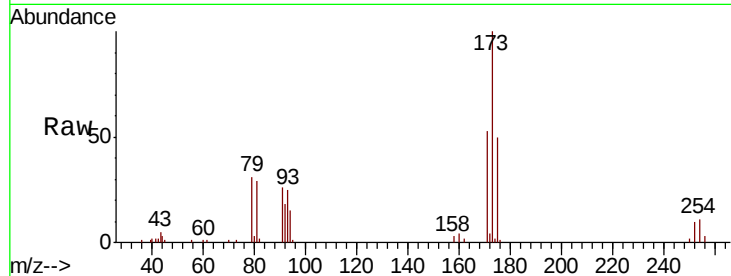
175 48.7 23.5 70.6

254 0.0 0.1 0.1#

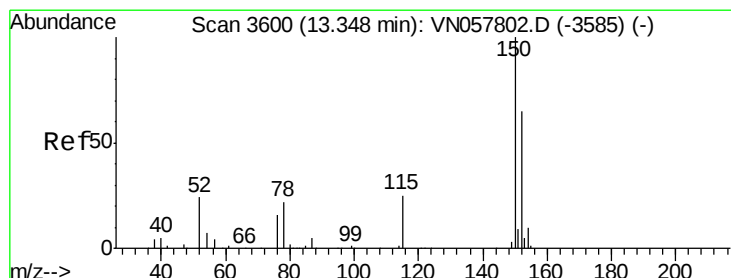
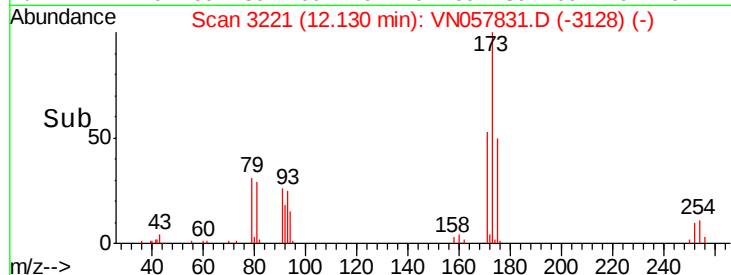
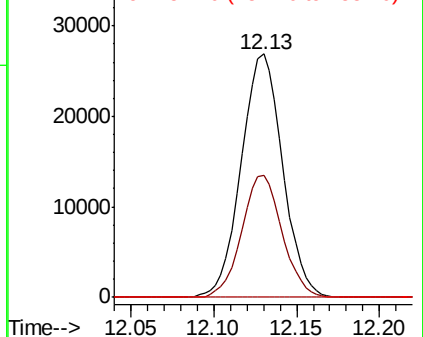
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

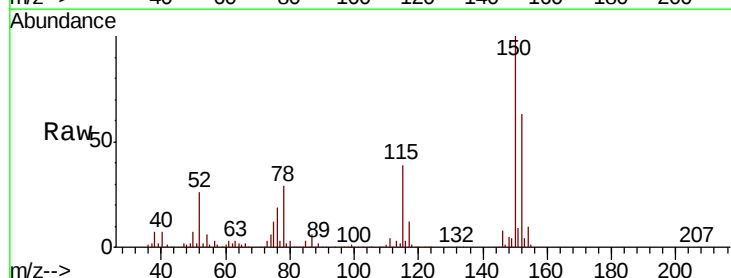
Tgt Ion:152 Resp: 266229

Ion Ratio Lower Upper

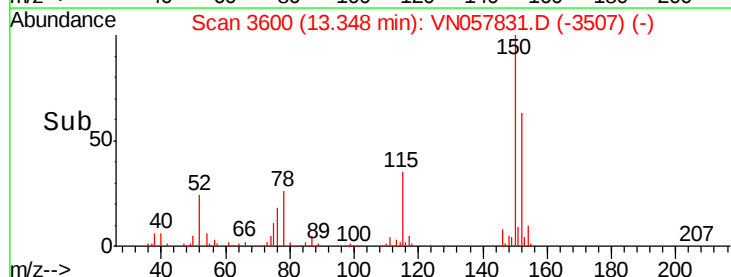
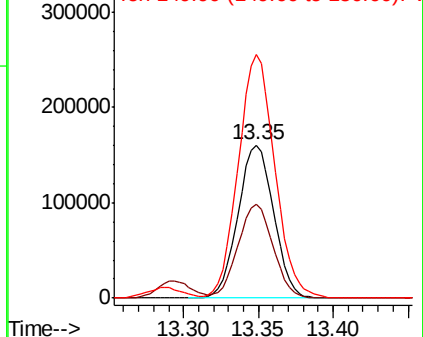
152 100

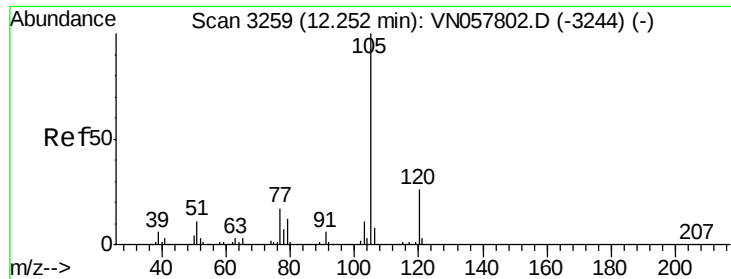
115 60.6 30.3 91.0

150 163.8 0.0 352.4



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





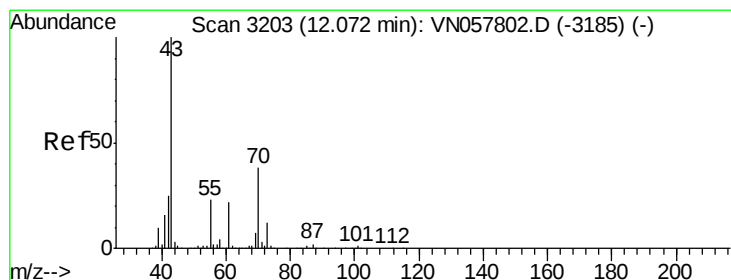
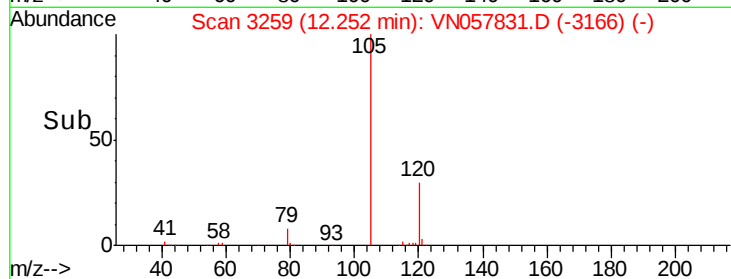
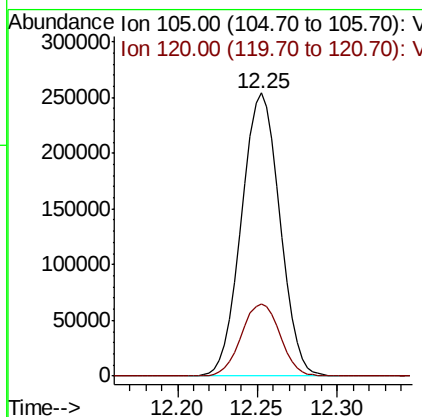
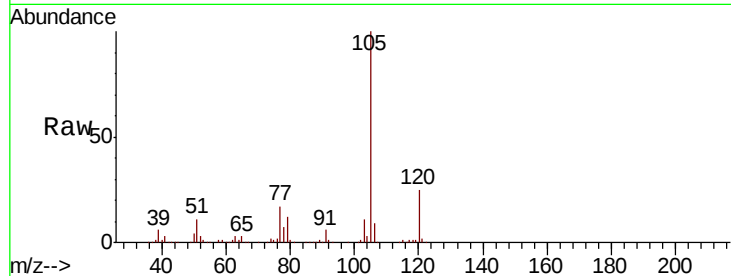
#73
Isopropylbenzene
Concen: 20.096 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

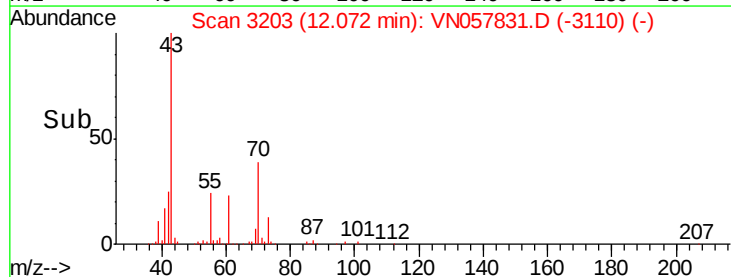
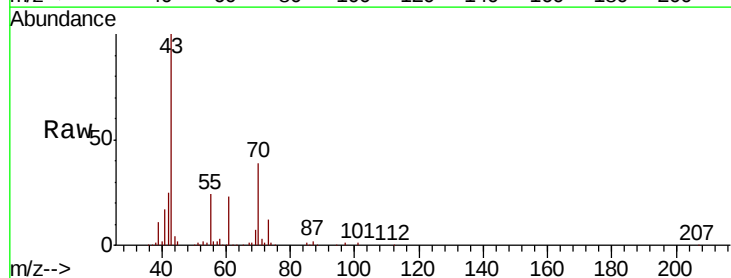
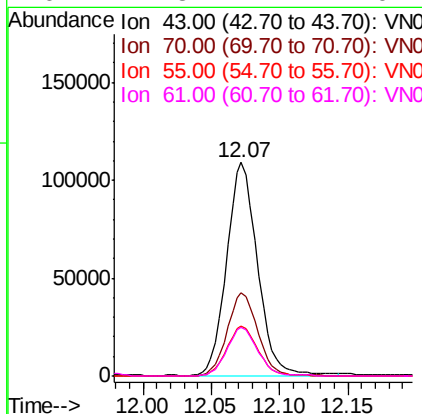
Manual Integrations
APPROVED

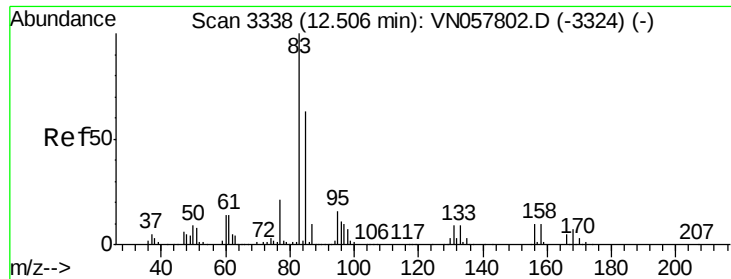
MMDadoda
9/13/2019 5:16:23 AM



#74
N-ethyl acetate
Concen: 19.030 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.9	30.6	45.8
55	24.0	18.6	27.8
61	22.8	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.037 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

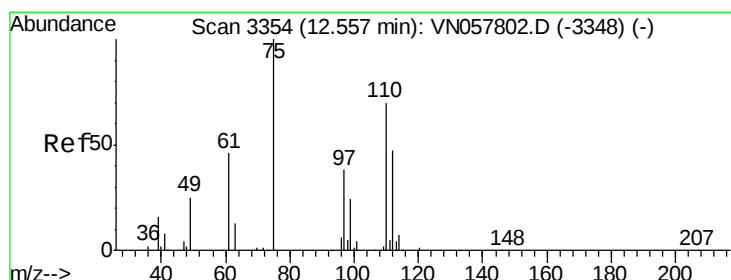
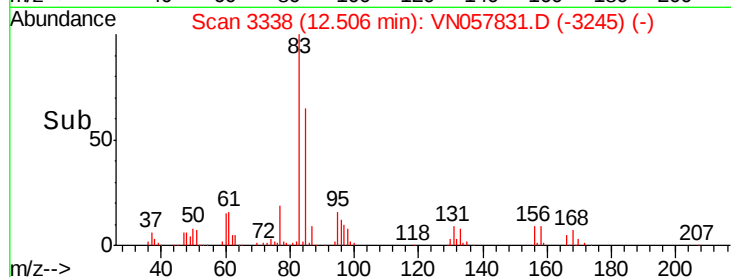
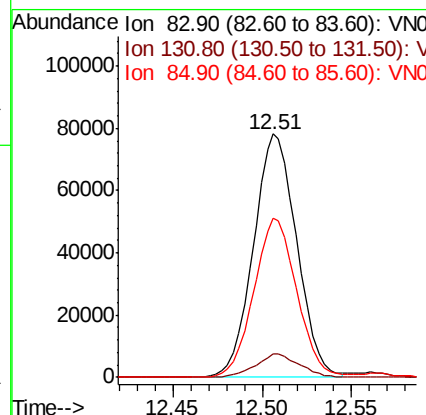
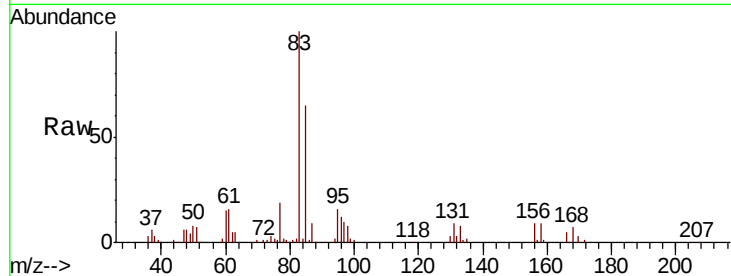
ClientSampleId :

VN0910WBS02

Tot Ion:	83	Resp:	132416
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.9	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.371 ug/l m

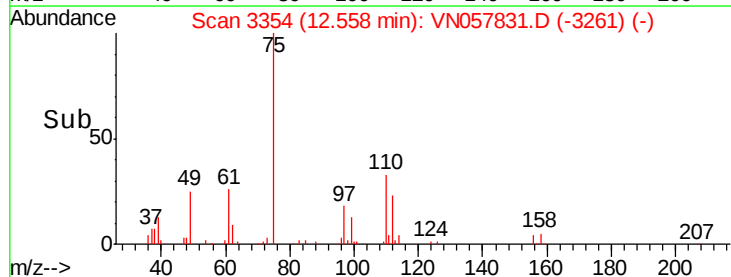
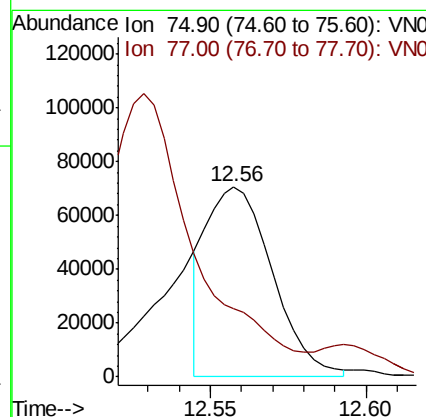
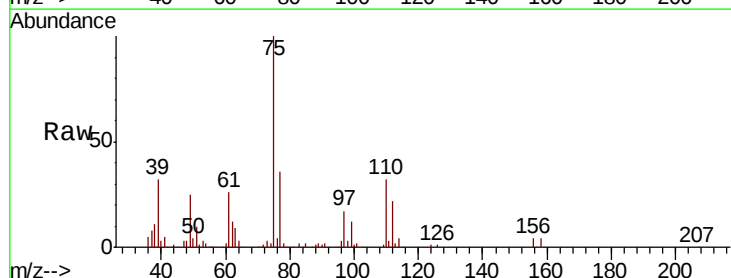
RT: 12.56 min Scan# 3354

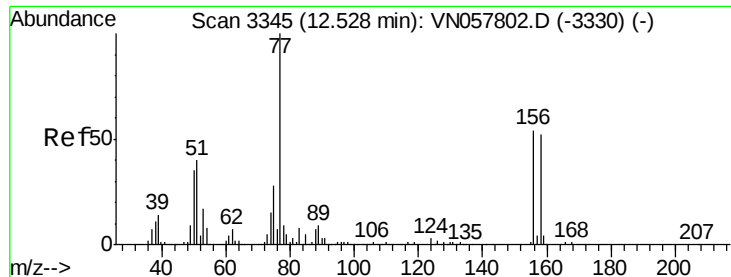
Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Tgt Ion:	75	Resp:	104620
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.757 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

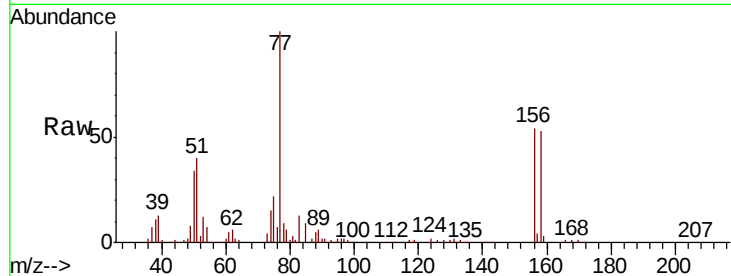
ClientSampled :

VN0910WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	222.8	113.7	341.1	
158	97.6	48.5	145.6	

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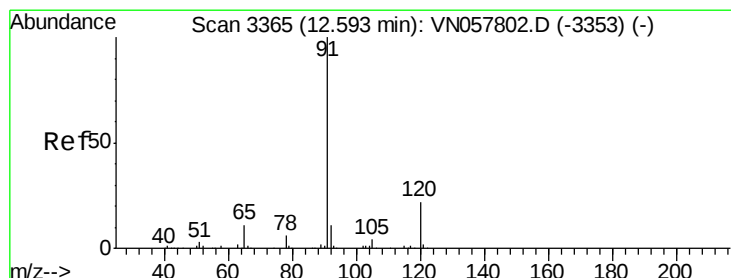
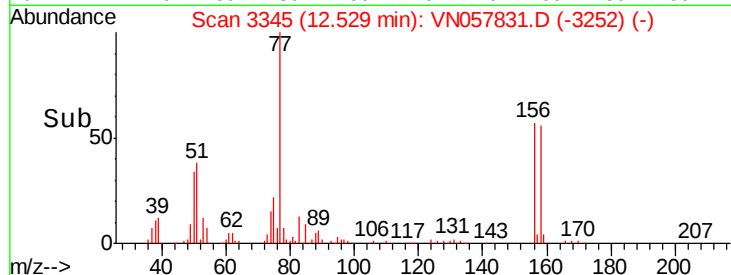
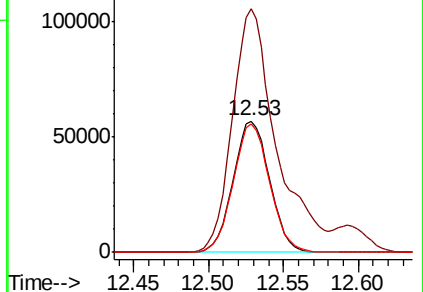
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.929 ug/l

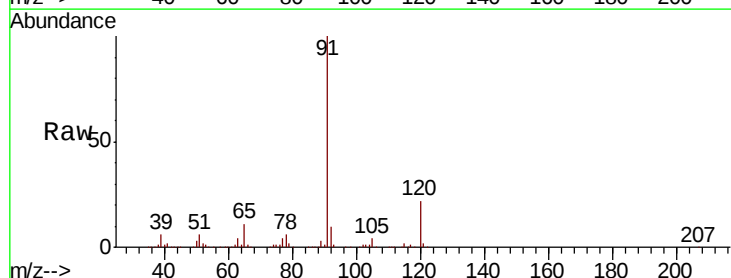
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057831.D

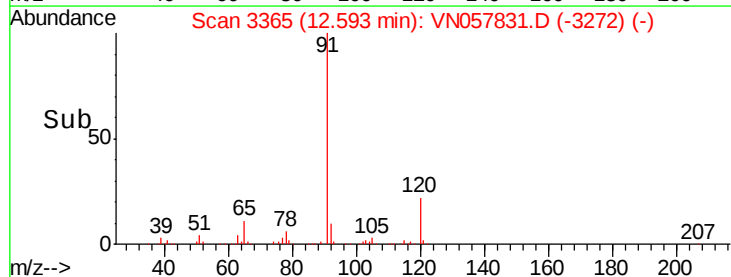
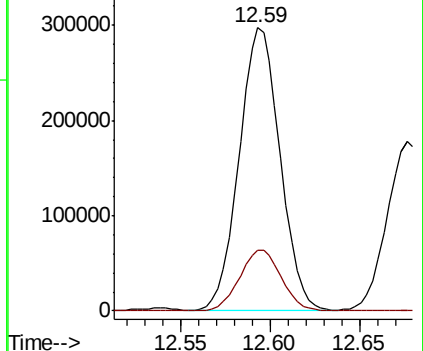
Acq: 10 Sep 2019 3:34

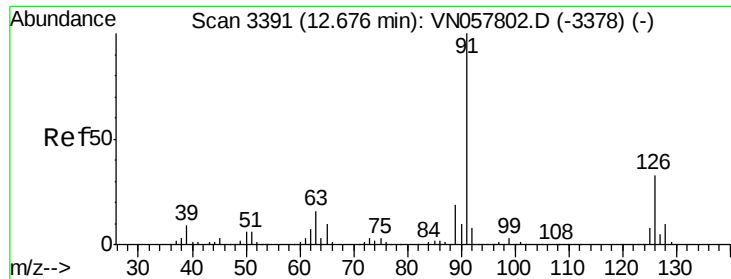
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.372 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 91 Resp: 290457

Ion Ratio Lower Upper

91 100

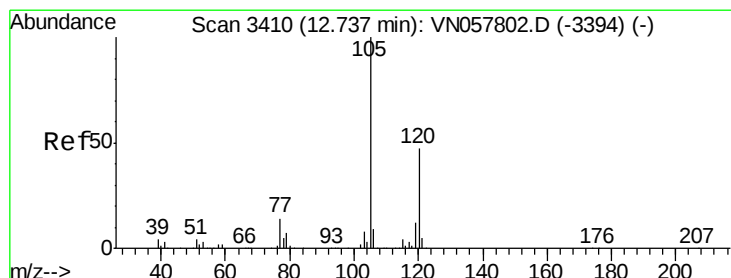
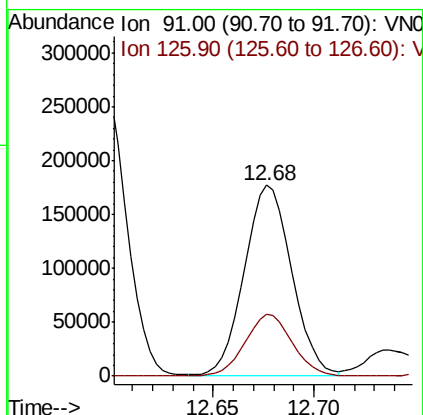
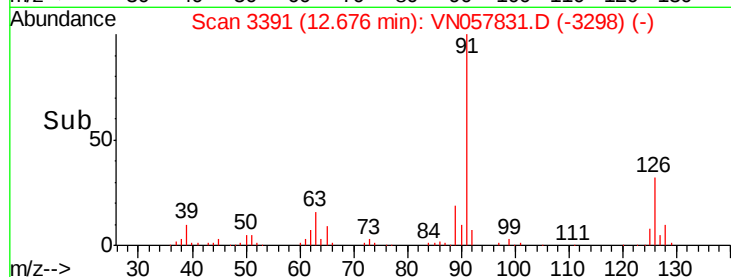
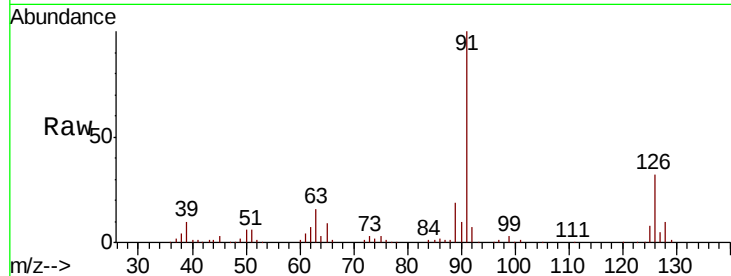
126 32.3 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.132 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057831.D

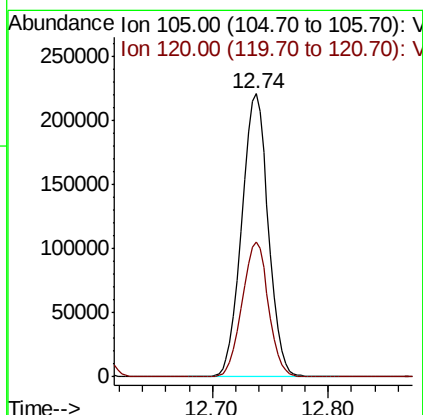
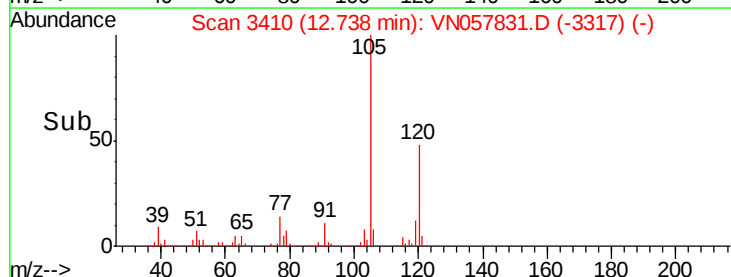
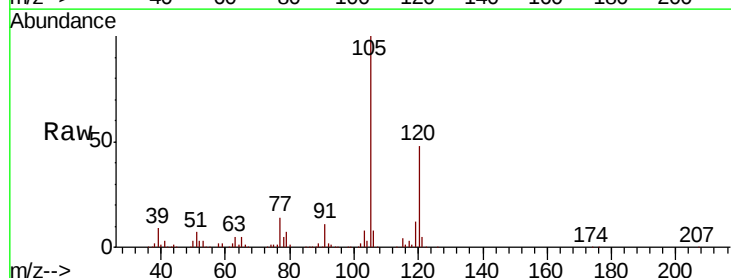
Acq: 10 Sep 2019 3:34

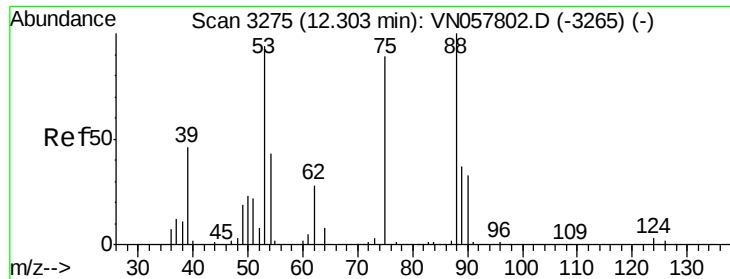
Tgt Ion: 105 Resp: 351406

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.191 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS02

Tot Ion: 75 Resp: 24287

Ion Ratio Lower Upper

75 100

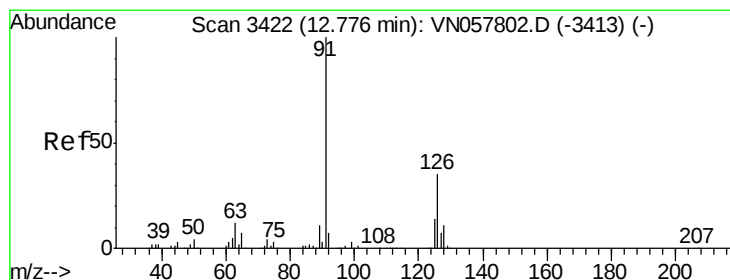
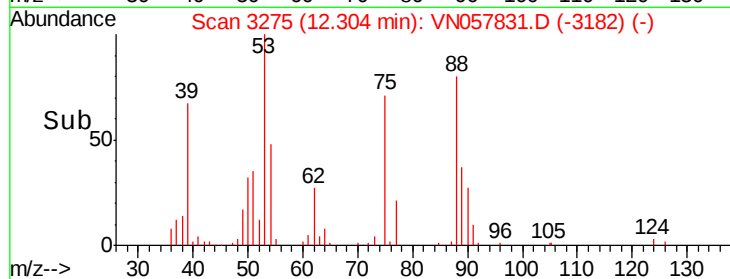
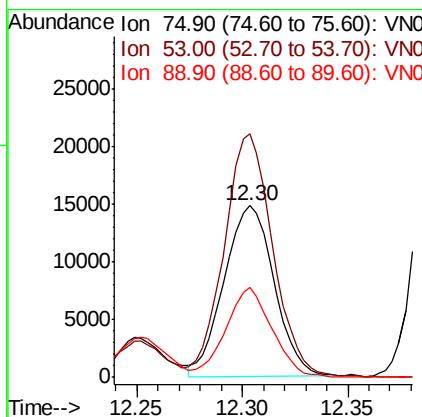
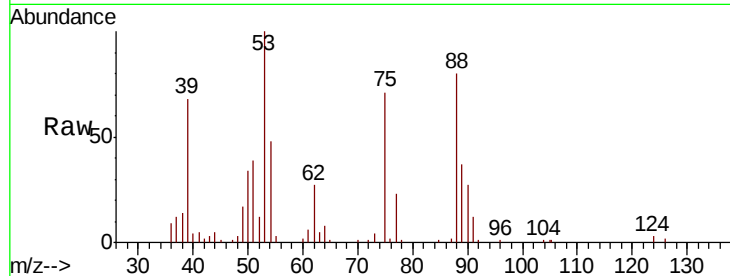
53 140.0 88.4 132.6#

89 49.0 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.185 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057831.D

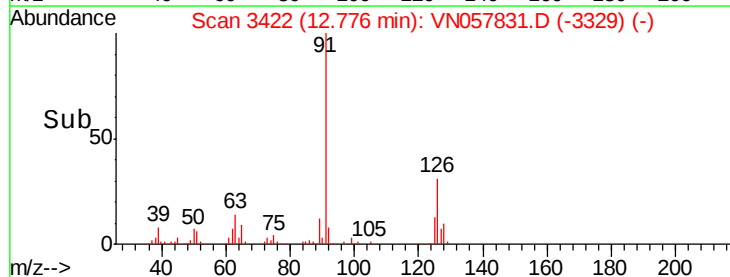
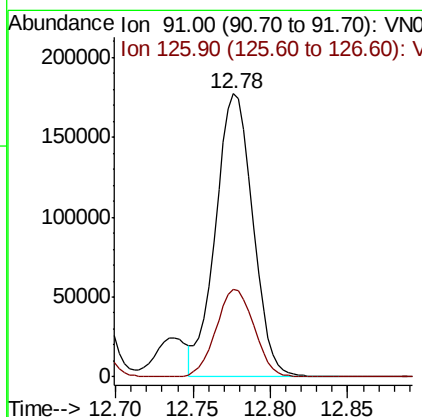
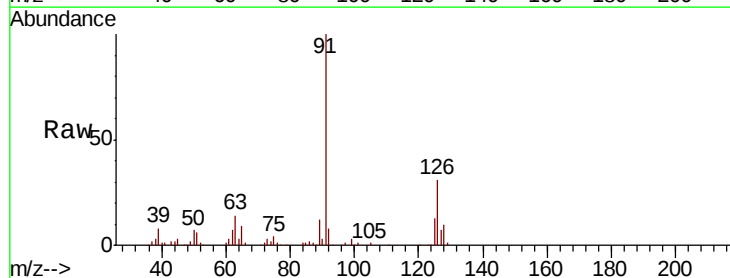
Acq: 10 Sep 2019 3:34

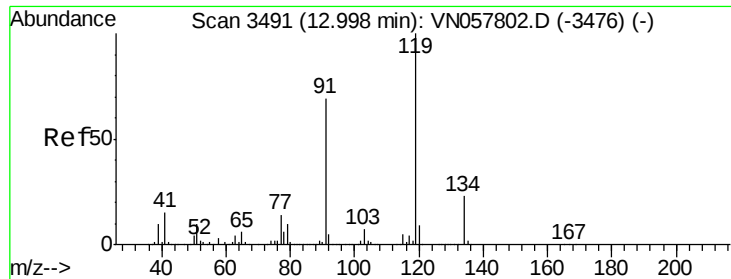
Tgt Ion: 91 Resp: 295393

Ion Ratio Lower Upper

91 100

126 31.8 16.0 48.0





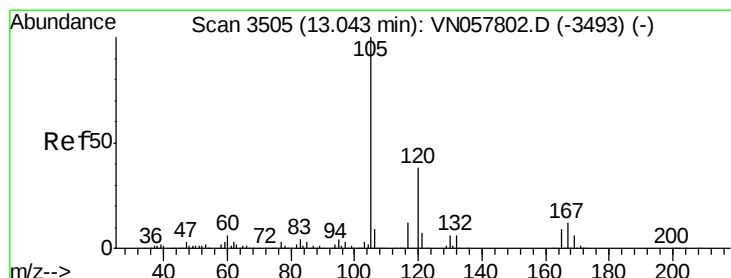
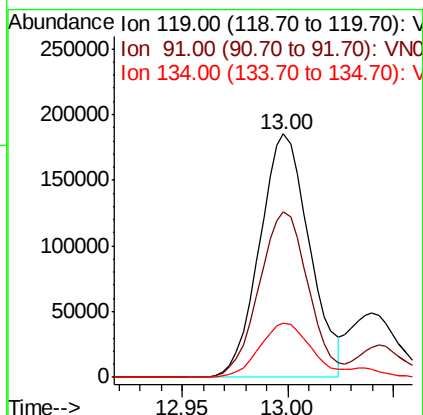
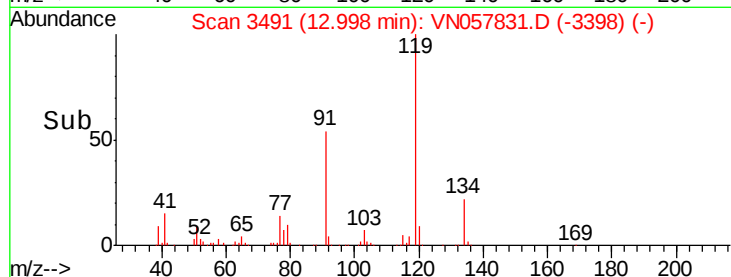
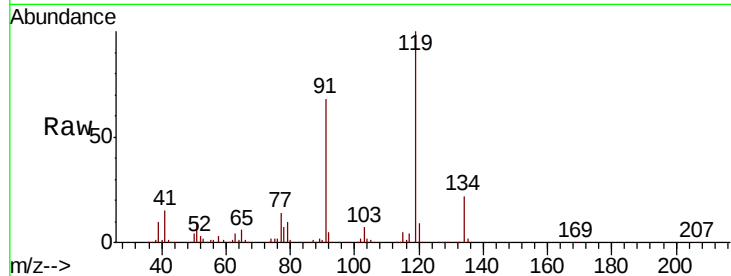
#83
tert-Butylbenzene
Concen: 19.663 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	305093		
91	67.4	33.6	100.8	
134	22.9	11.7	35.0	

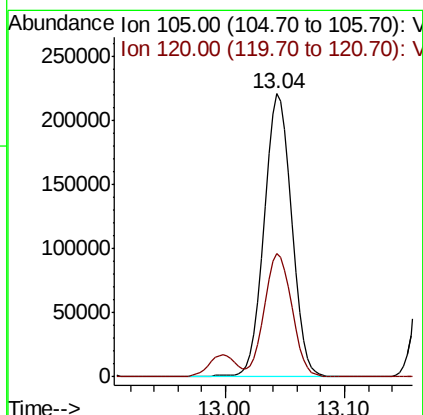
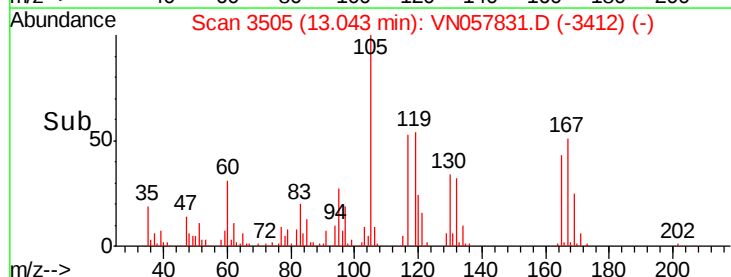
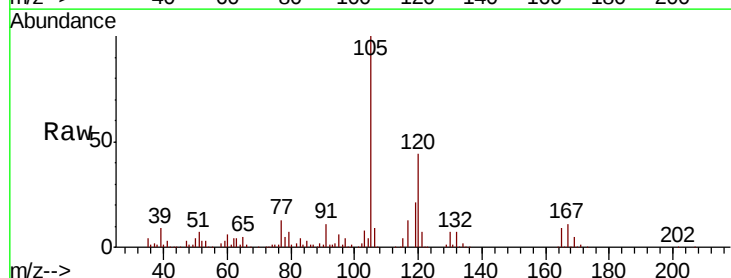
Manual Integrations
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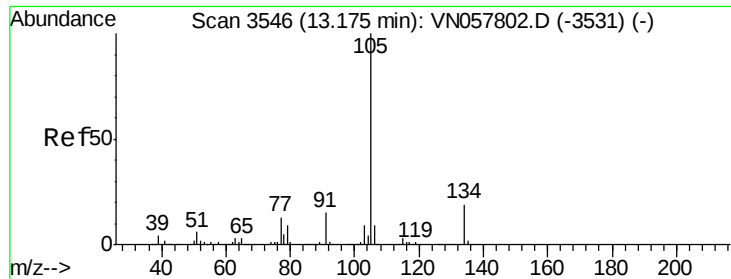
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#84
1,2,4-Trimethylbenzene
Concen: 19.980 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	354456		
120	43.5	22.4	67.2	





#85

sec-Butylbenzene

Concen: 19.810 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion:105 Resp: 407405

Ion Ratio Lower Upper

105 100

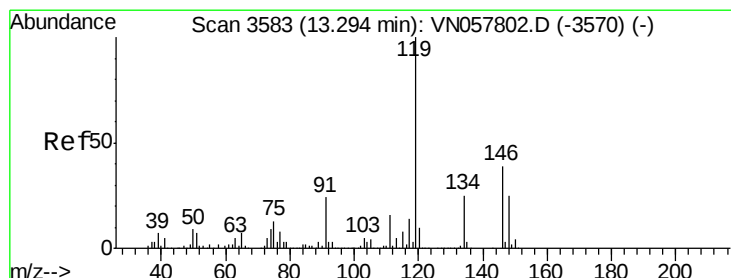
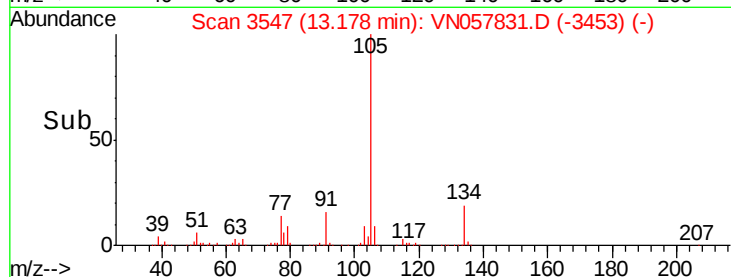
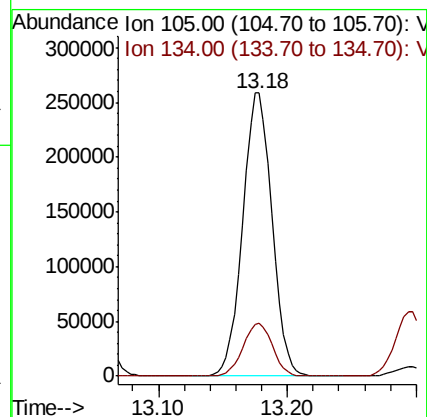
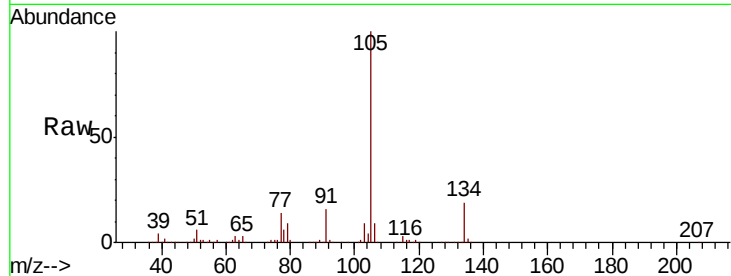
134 18.9 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.912 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

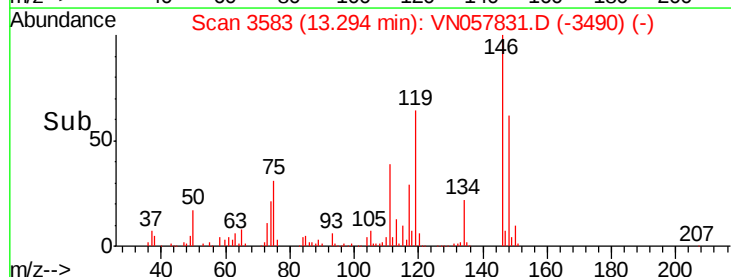
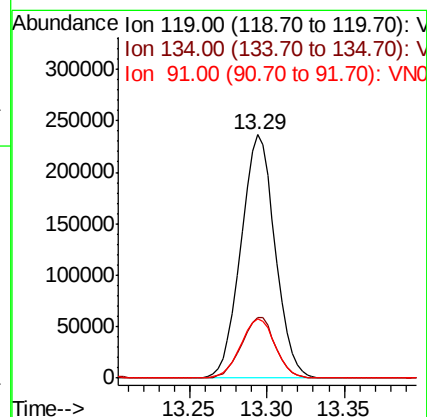
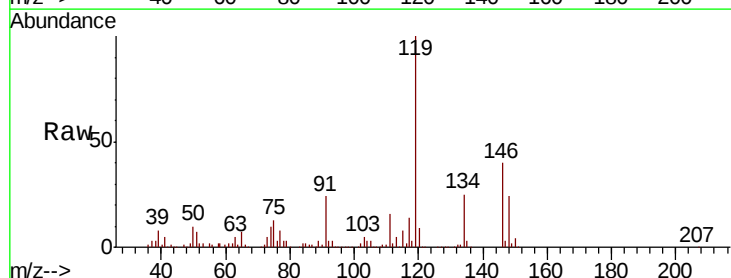
Tgt Ion:119 Resp: 360814

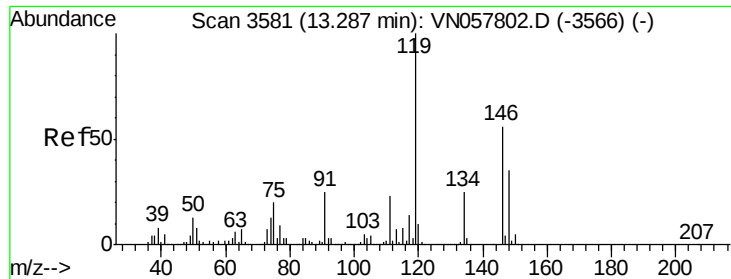
Ion Ratio Lower Upper

119 100

134 24.9 12.5 37.5

91 24.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 19.041 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Instrument :

MSVOA_N

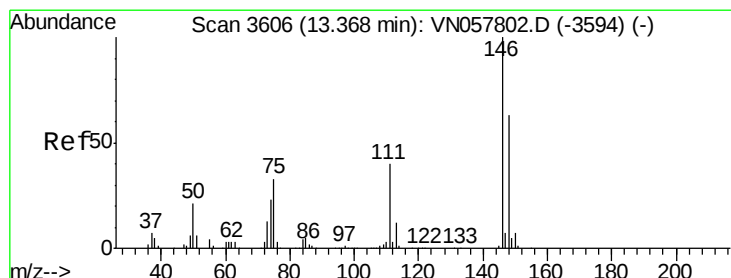
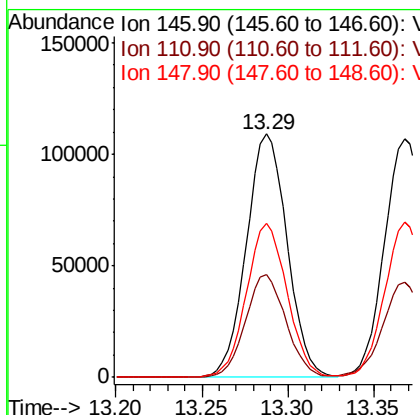
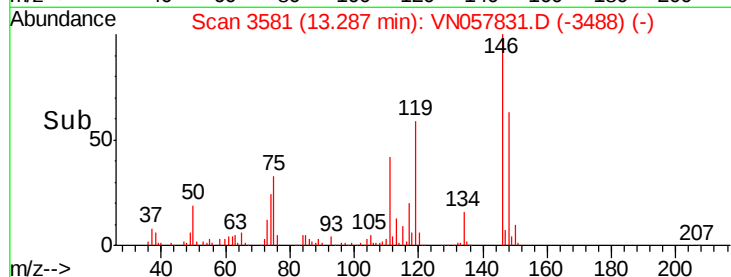
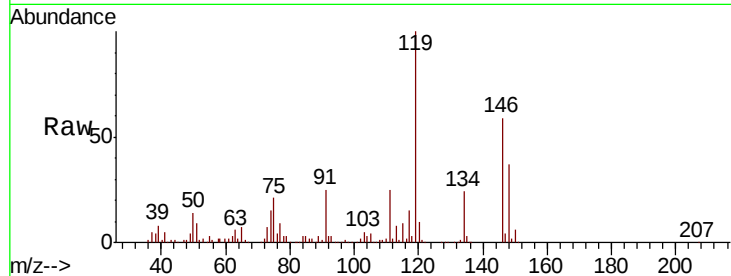
ClientSampleId :

VN0910WBS02

Tot Ion:	146	Resp:	180016
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.5	61.6
148	63.0	31.5	94.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.692 ug/l

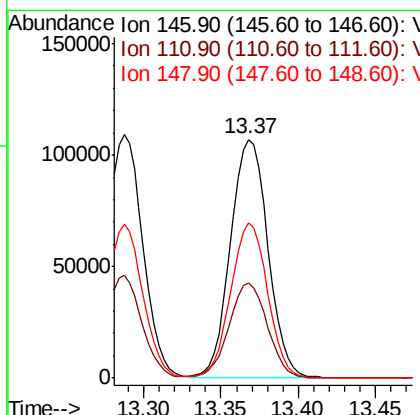
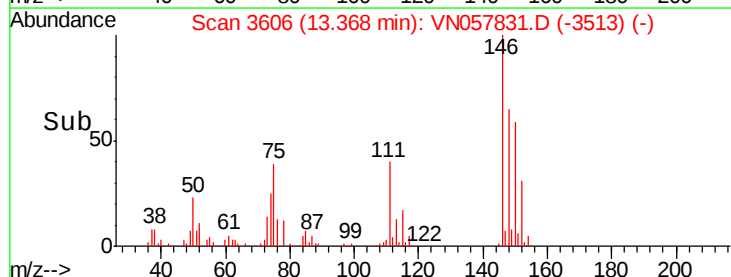
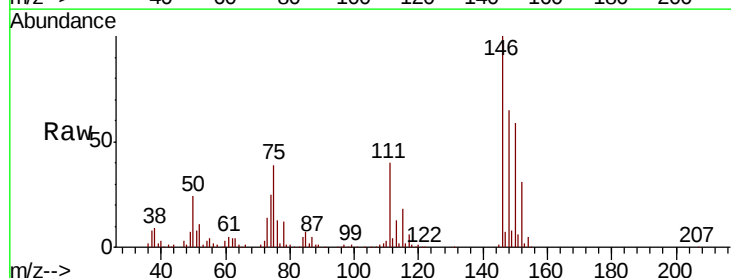
RT: 13.37 min Scan# 3606

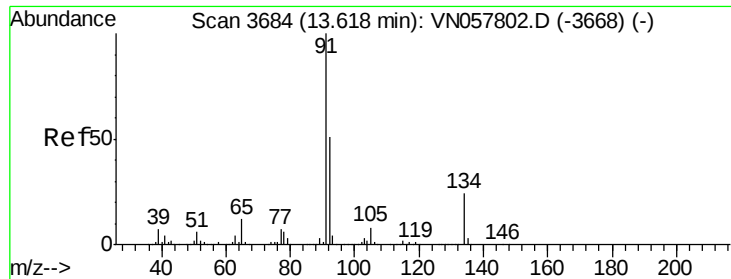
Delta R.T. 0.00 min

Lab File: VN057831.D

Acq: 10 Sep 2019 3:34

Tgt Ion:	146	Resp:	179372
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.4	61.2
148	64.2	31.8	95.4





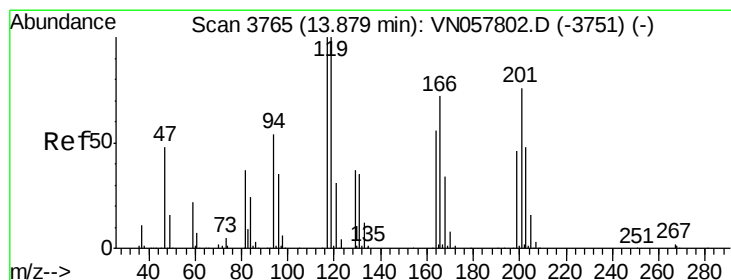
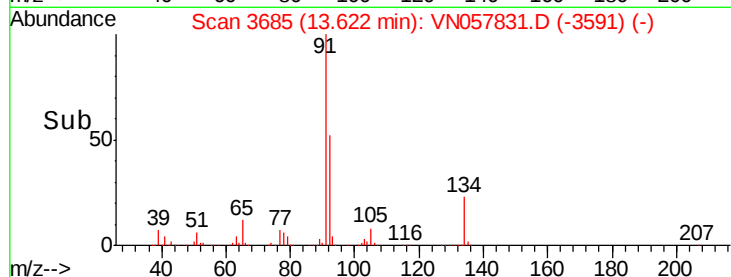
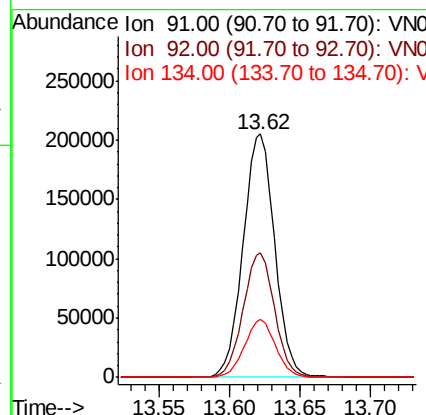
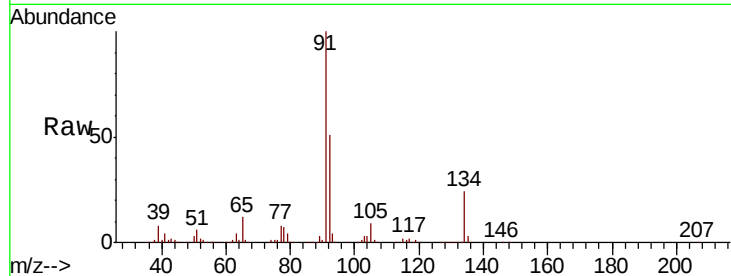
#89
n-Butylbenzene
Concen: 18.869 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.0
134	23.5	11.9	35.7

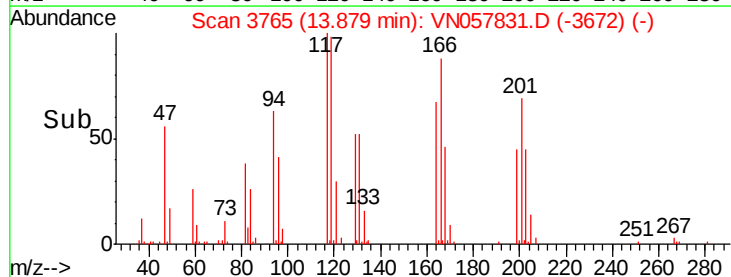
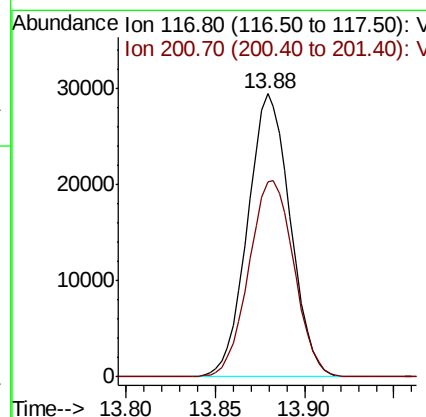
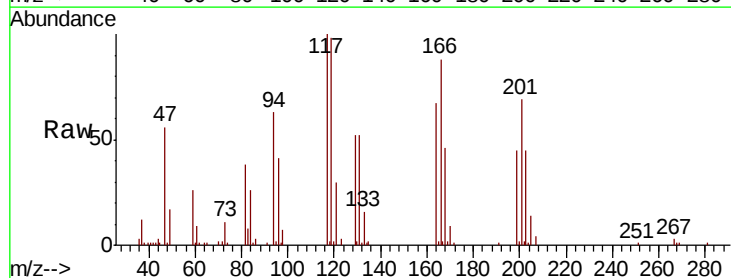
Manual Integrations
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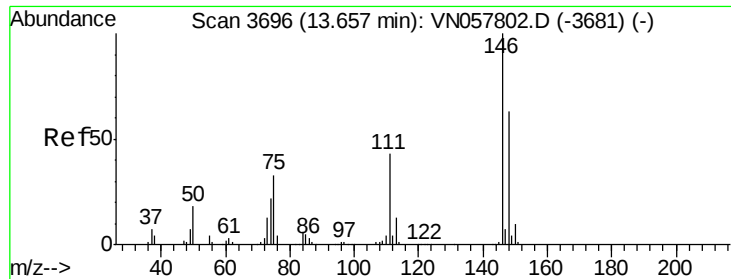
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#90
Hexachloroethane
Concen: 18.216 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.5	37.5	112.7





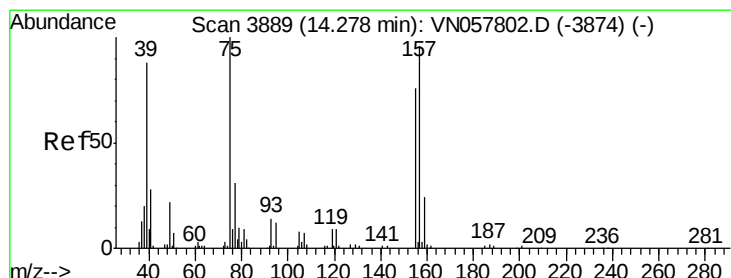
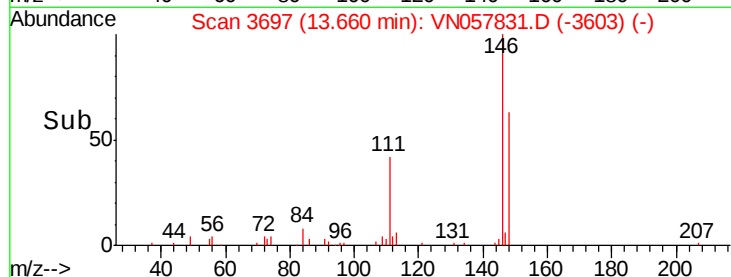
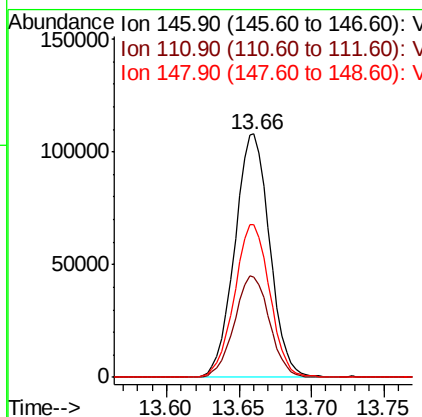
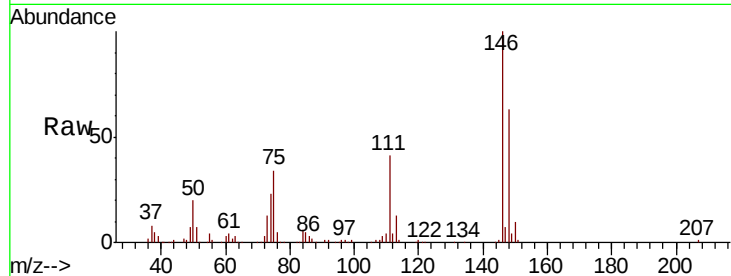
#91
 1,2-Dichlorobenzene
 Concen: 19.099 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180387		
111	41.9	21.3	63.9	
148	63.6	31.4	94.3	

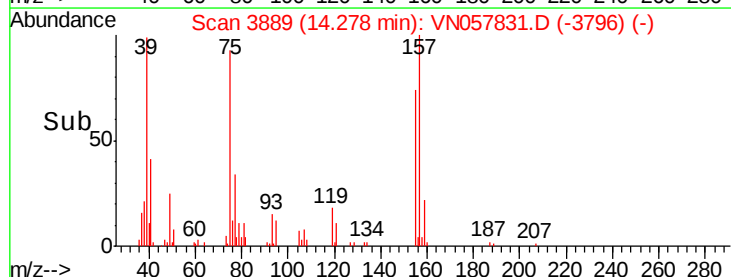
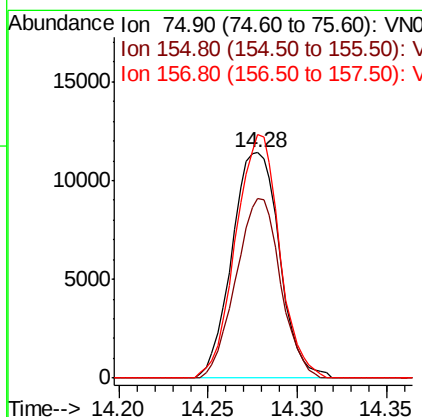
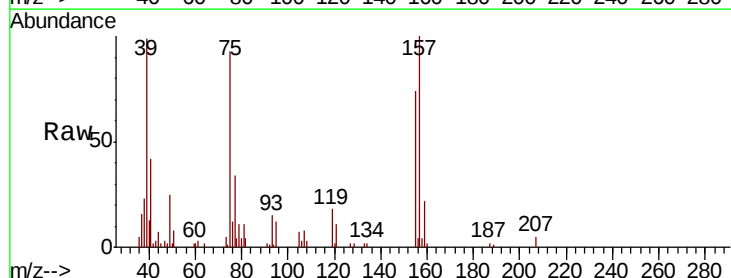
Manual Integrations
 APPROVED

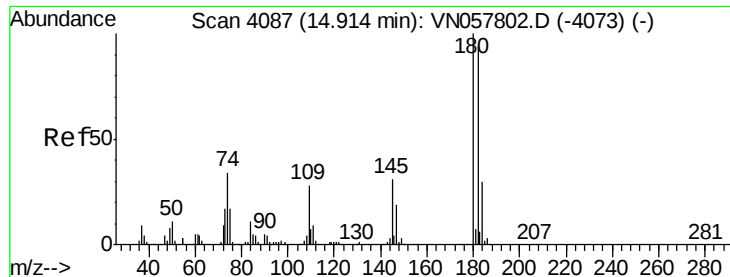
MMDadoda
 9/13/2019 5:16:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.435 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21176		
155	74.5	37.3	111.8	
157	99.5	47.9	143.8	





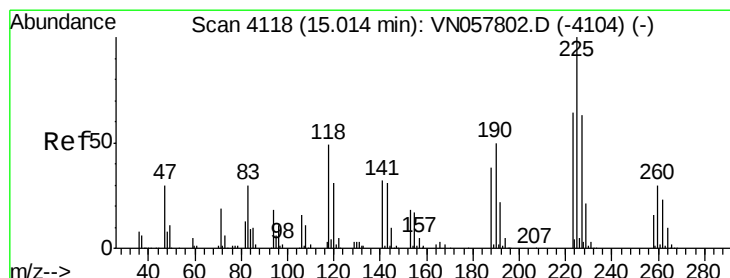
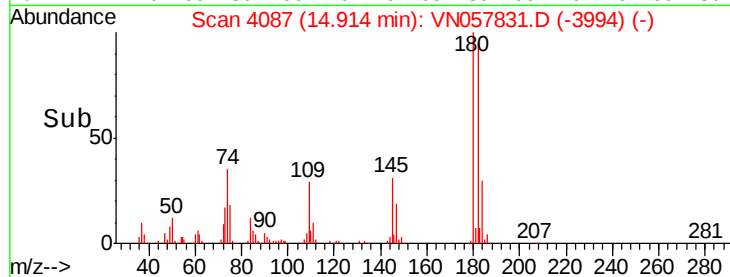
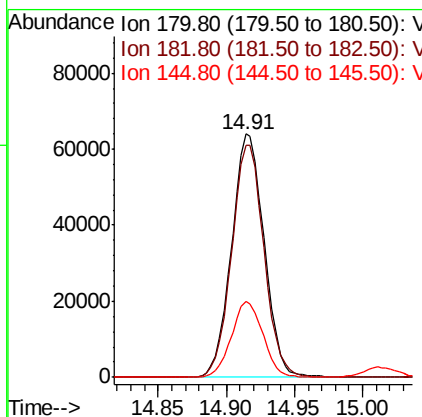
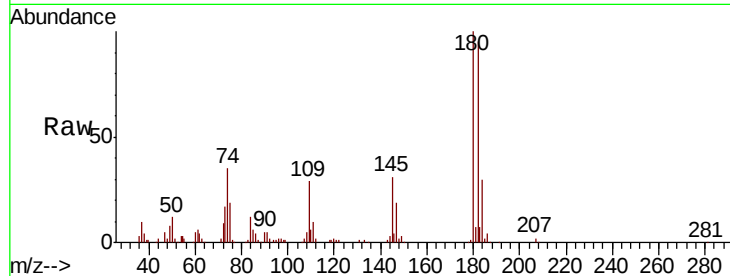
#93
 1,2,4-Trichlorobenzene
 Concen: 17.098 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105555		
182	94.9	46.9	140.8	
145	30.4	14.9	44.7	

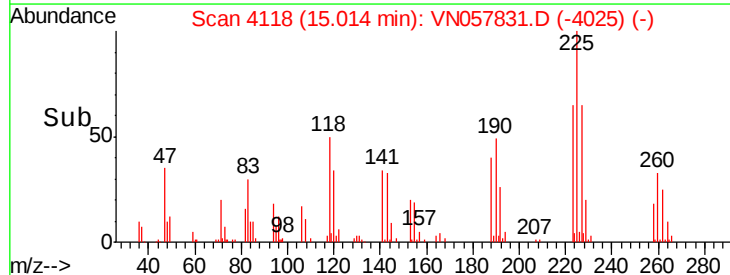
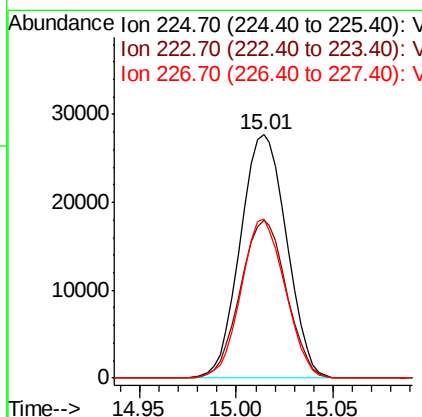
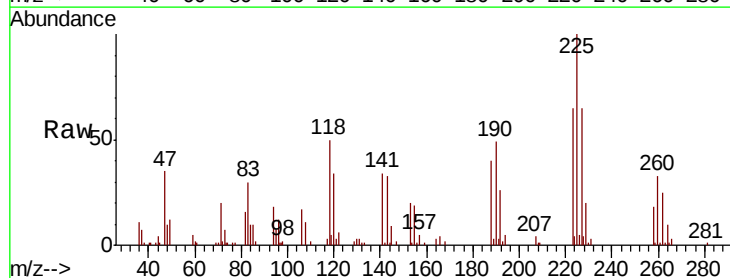
Manual Integrations
 APPROVED

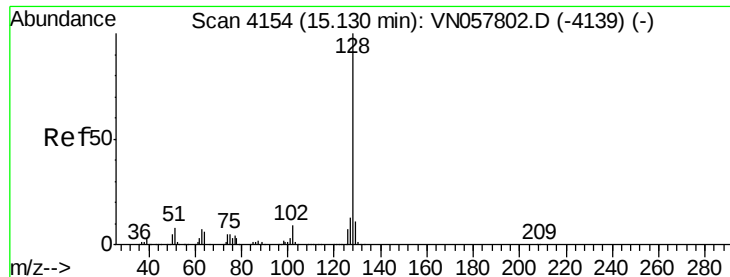
MMDadoda
 9/13/2019 5:16:23 AM



#94
 Hexachlorobutadiene
 Concen: 17.606 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057831.D
 Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46073		
223	64.6	32.4	97.2	
227	62.1	31.8	95.4	





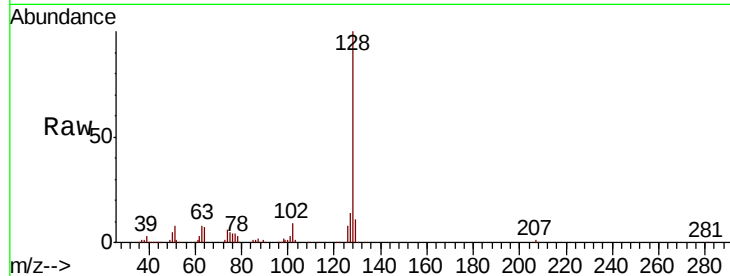
#95
Naphthalene
Concen: 18.352 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	301518		
127	13.0	10.3	15.5	
129	10.6	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:23 AM

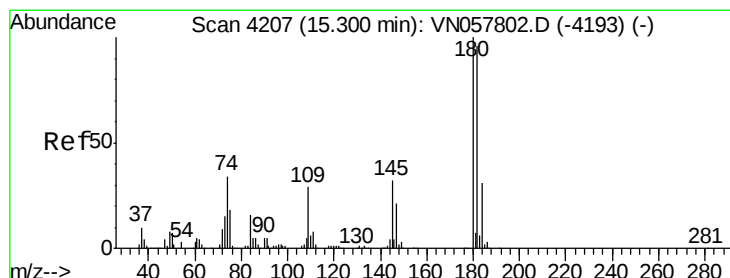
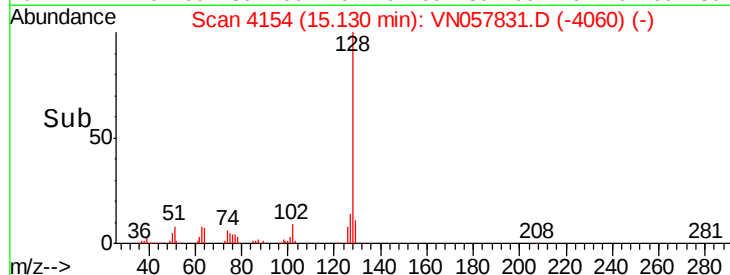
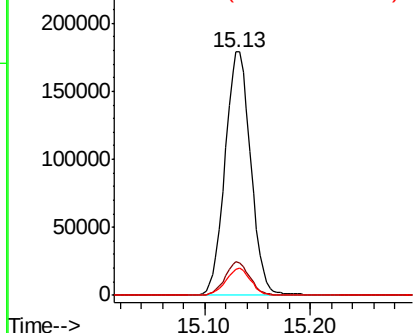


Abundance

Ion 128.00 (127.70 to 128.70): V

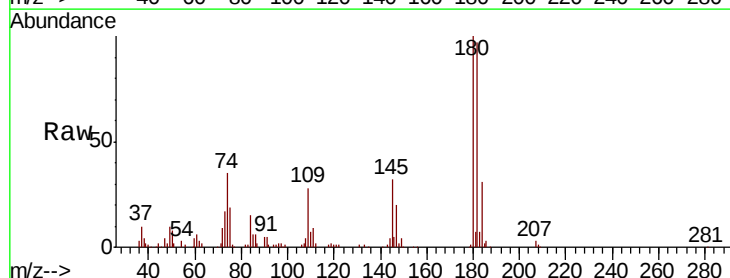
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.662 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057831.D
Acq: 10 Sep 2019 3:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102636		
182	96.1	48.3	144.8	
145	31.9	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

