

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110519\
 Data File : VN059088.D
 Acq On : 5 Nov 2019 13:37
 Operator : JC/SP
 Sample : VN1105WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2019 1:56:20 PM

Quant Time: Nov 06 01:15:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:43:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	451348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	628217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	286045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	278200	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
35) Dibromofluoromethane	7.57	113	212880	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
50) Toluene-d8	10.08	98	833802	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.40	95	293289	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89924	18.427	ug/l	98
3) Chloromethane	2.04	50	119174	18.010	ug/l	99
4) Vinyl Chloride	2.17	62	118249	18.410	ug/l	99
5) Bromomethane	2.55	94	68804	18.119	ug/l	96
6) Chloroethane	2.69	64	71183	18.096	ug/l	100
7) Trichlorofluoromethane	3.00	101	143869	18.850	ug/l	99
8) Diethyl Ether	3.39	74	56846	19.072	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	85952	19.106	ug/l	97
10) Methyl Iodide	3.93	142	101787	18.616	ug/l	100
11) Tert butyl alcohol	4.74	59	91679	82.869	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81949	18.317	ug/l	96
13) Acrolein	3.58	56	57461	82.313	ug/l	99
14) Allyl chloride	4.30	41	162843	18.369	ug/l	97
15) Acrylonitrile	4.95	53	258914	93.295	ug/l	99
16) Acetone	3.79	43	298815	98.742	ug/l	98
17) Carbon Disulfide	4.03	76	249981	17.575	ug/l	99
18) Methyl Acetate	4.29	43	132210	17.245	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	289902	19.025	ug/l	99
20) Methylene Chloride	4.52	84	97420	18.389	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	89054	18.541	ug/l	99
22) Diisopropyl ether	5.92	45	332586	19.696	ug/l	96
23) Vinyl Acetate	5.86	43	1347954	100.224	ug/l	100
24) 1,1-Dichloroethane	5.82	63	181414	18.791	ug/l	99
25) 2-Butanone	6.81	43	377730	93.740	ug/l	99
26) 2,2-Dichloropropane	6.80	77	158904	18.963	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	102127	18.884	ug/l	98
28) Bromochloromethane	7.17	49	52902	17.755	ug/l	99
29) Tetrahydrofuran	7.18	42	238743	93.880	ug/l	100
30) Chloroform	7.35	83	174423	18.894	ug/l	99
31) Cyclohexane	7.63	56	167655	18.207	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	149197	19.102	ug/l	100
36) 1,1-Dichloropropene	7.77	75	131579	19.176	ug/l	100
37) Ethyl Acetate	6.90	43	148778	19.515	ug/l	99
38) Carbon Tetrachloride	7.75	117	131322	19.638	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151820	19.143	ug/l	97
40) Benzene	8.02	78	397042	19.498	ug/l	100
41) Methacrylonitrile	7.15	41	62204m	18.869	ug/l	
42) 1,2-Dichloroethane	8.10	62	141980	20.076	ug/l	99
43) Isopropyl Acetate	8.14	43	228999	19.207	ug/l	99
44) Trichloroethene	8.82	130	100137	19.987	ug/l	99
45) 1,2-Dichloropropane	9.10	63	109902	19.956	ug/l	98
46) Dibromomethane	9.19	93	66004	19.392	ug/l	100
47) Bromodichloromethane	9.39	83	136146	19.751	ug/l	99
48) Methyl methacrylate	9.18	41	100870	18.555	ug/l	99
49) 1,4-Dioxane	9.18	88	33057	372.783	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	715586	103.319	ug/l	98
52) Toluene	10.15	92	242126	20.293	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	152631	19.149	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	166720	19.830	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	96698	19.895	ug/l	100
56) Ethyl methacrylate	10.42	69	141221	18.343	ug/l	99
57) 1,3-Dichloropropane	10.70	76	170020	20.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	290045	97.954	ug/l	100
59) 2-Hexanone	10.75	43	533161	101.330	ug/l	99
60) Dibromochloromethane	10.90	129	101305	19.340	ug/l	100
61) 1,2-Dibromoethane	11.00	107	96883	19.676	ug/l	100
64) Tetrachloroethene	10.63	164	87627	19.968	ug/l	100
65) Chlorobenzene	11.43	112	251897	19.537	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	92015	19.397	ug/l	98
67) Ethyl Benzene	11.51	91	448529	20.095	ug/l	100
68) m/p-Xylenes	11.62	106	329140	39.491	ug/l	99
69) o-Xylene	11.95	106	158222	19.880	ug/l	99
70) Styrene	11.96	104	251486	19.499	ug/l	98
71) Bromoform	12.13	173	70021	19.070	ug/l #	99
73) Isopropylbenzene	12.25	105	428030	20.340	ug/l	100
74) N-amyl acetate	12.07	43	174949	18.689	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	143795	19.183	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	132793m	19.618	ug/l	
77) Bromobenzene	12.53	156	102146	19.413	ug/l	98
78) n-propylbenzene	12.59	91	502306	20.610	ug/l	100
79) 2-Chlorotoluene	12.68	91	299986	19.822	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	358892	20.067	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48793	18.479	ug/l	93
82) 4-Chlorotoluene	12.78	91	302722	19.600	ug/l	98
83) tert-Butylbenzene	13.00	119	302539	19.913	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	356757	20.529	ug/l	98
85) sec-Butylbenzene	13.17	105	405274	20.353	ug/l	99
86) p-Isopropyltoluene	13.29	119	365897	20.382	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	178383	19.081	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	177358	19.179	ug/l	98
89) n-Butylbenzene	13.62	91	313404	20.036	ug/l	99
90) Hexachloroethane	13.88	117	69437	19.458	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	179924	19.342	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29631	18.300	ug/l	92

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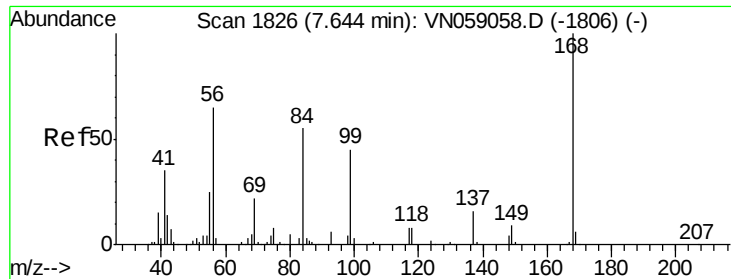
Manual Integrations
APPROVED

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QLast Update : Sat Nov 02 05:43:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	95141	18.963	ug/l	99
94) Hexachlorobutadiene	15.01	225	59662	19.813	ug/l	99
95) Naphthalene	15.13	128	247235	17.851	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	95068	18.618	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 168 Resp: 451348

Ion Ratio Lower Upper

168 100

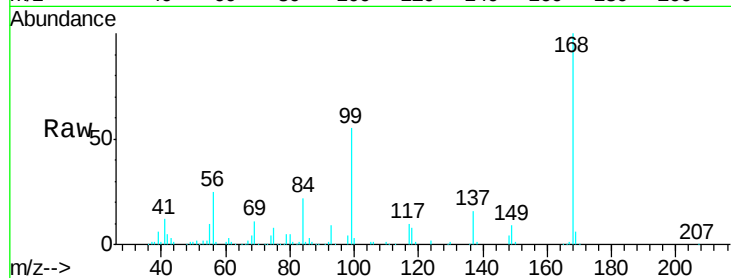
99 55.3 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

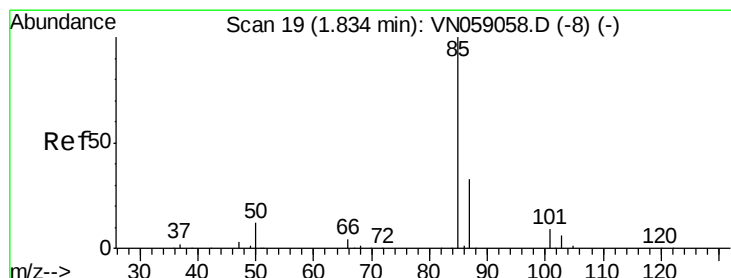
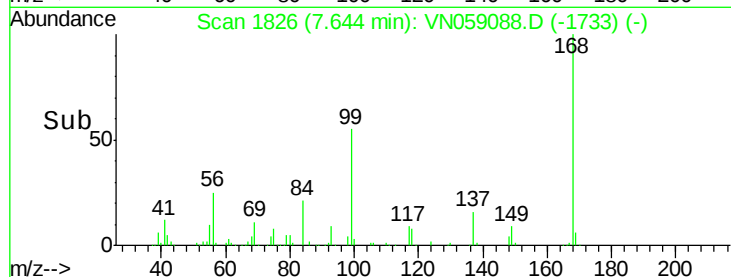
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 18.427 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059088.D

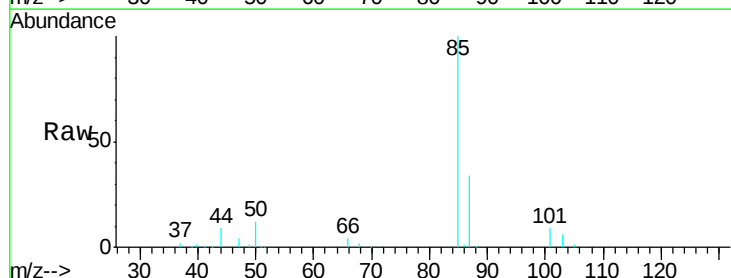
Acq: 5 Nov 2019 13:37

Tgt Ion: 85 Resp: 89924

Ion Ratio Lower Upper

85 100

87 33.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

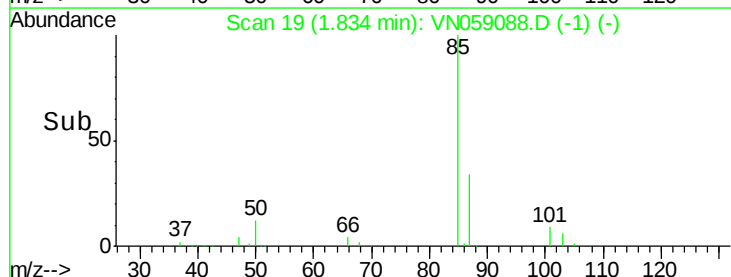
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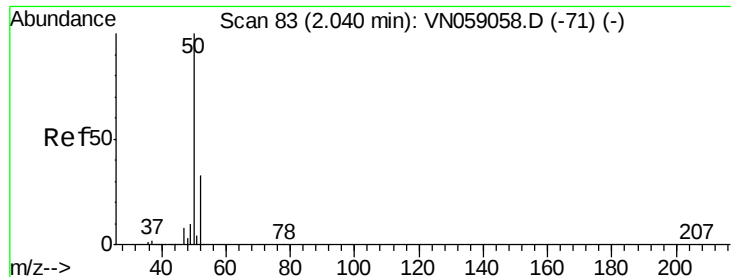
40000

20000

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Time-->





#3

Chloromethane

Concen: 18.010 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 50 Resp: 119174

Ion Ratio Lower Upper

50 100

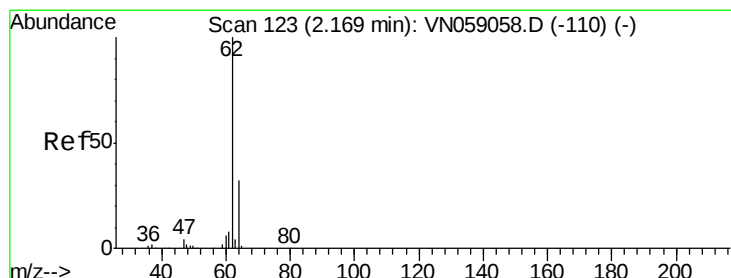
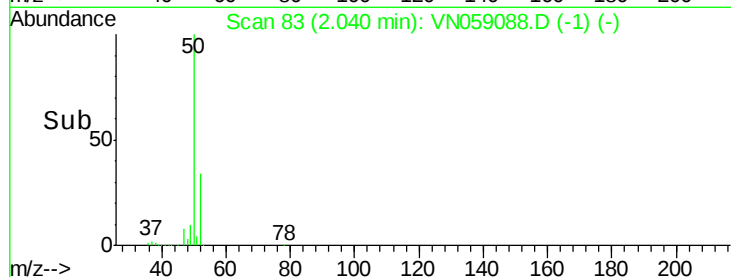
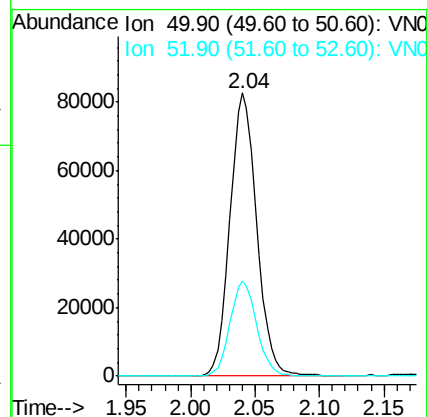
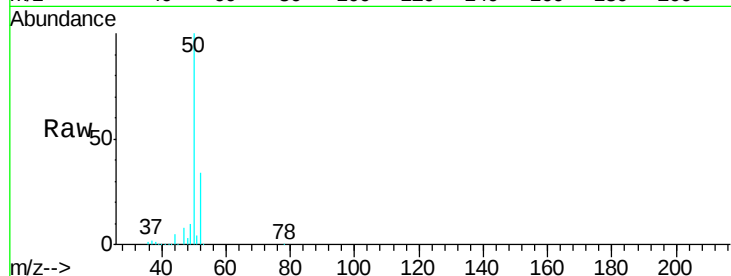
52 33.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.410 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059088.D

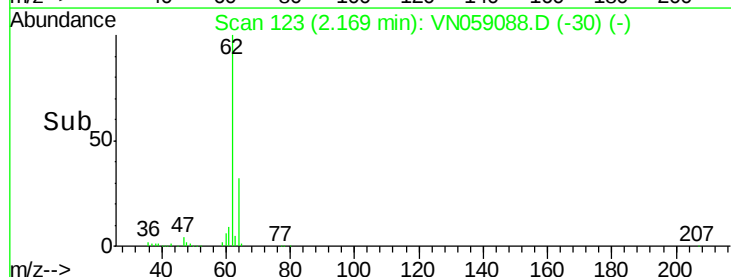
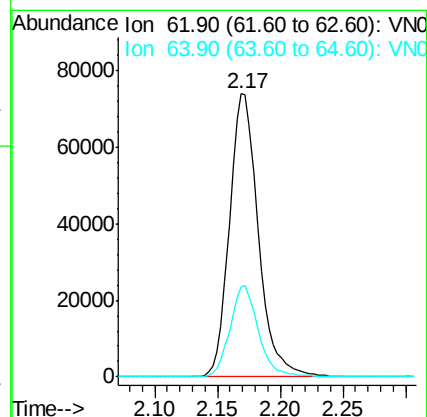
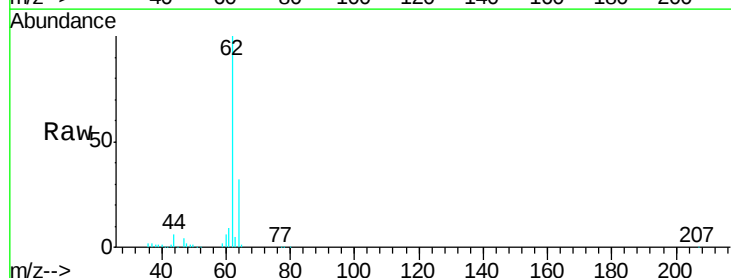
Acq: 5 Nov 2019 13:37

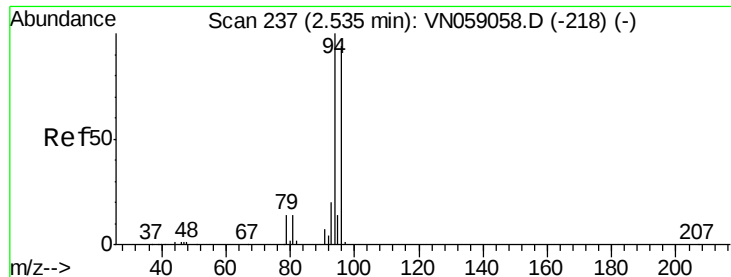
Tgt Ion: 62 Resp: 118249

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 18.119 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 94 Resp: 68804

Ion Ratio Lower Upper

94 100

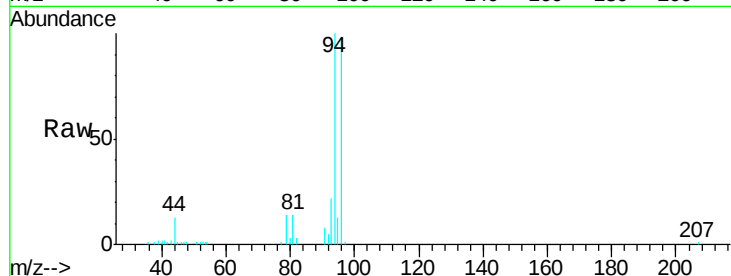
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Manual Integrations

APPROVED

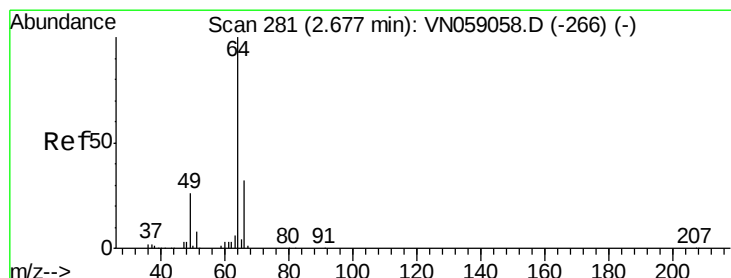
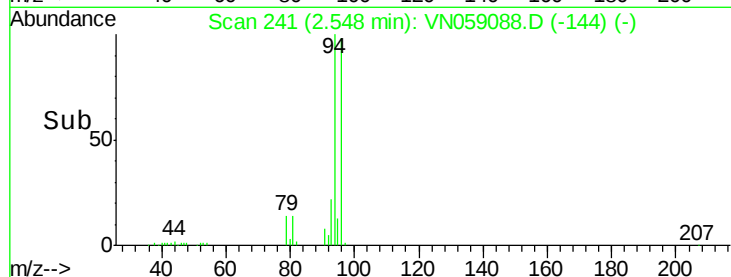
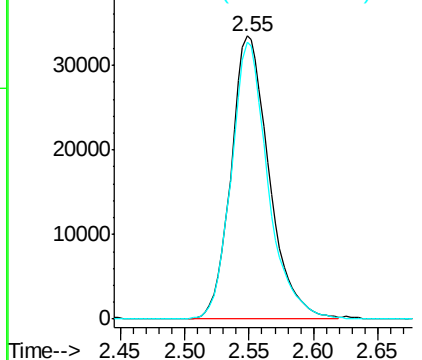
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.096 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059088.D

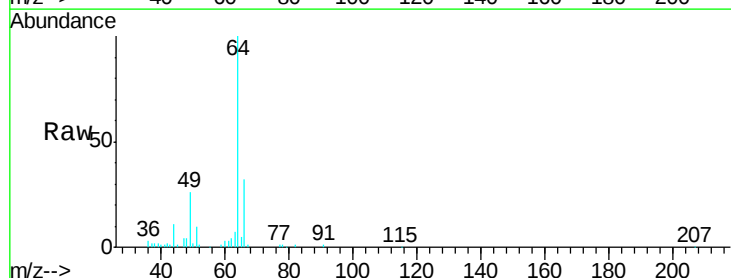
Acq: 5 Nov 2019 13:37

Tgt Ion: 64 Resp: 71183

Ion Ratio Lower Upper

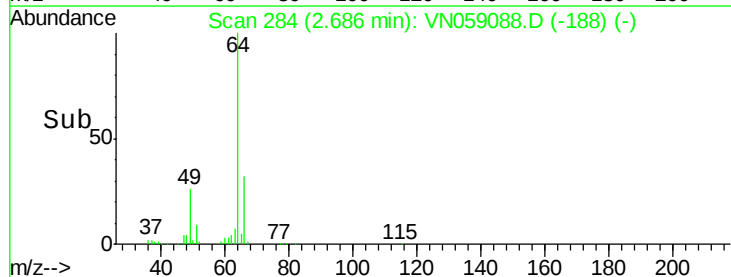
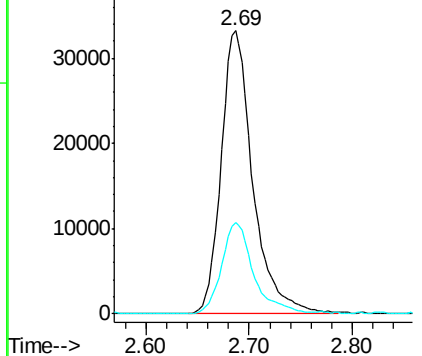
64 100

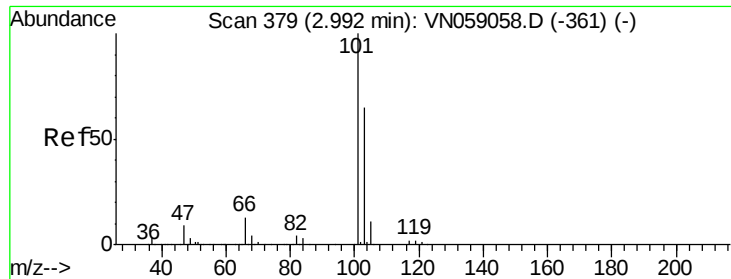
66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

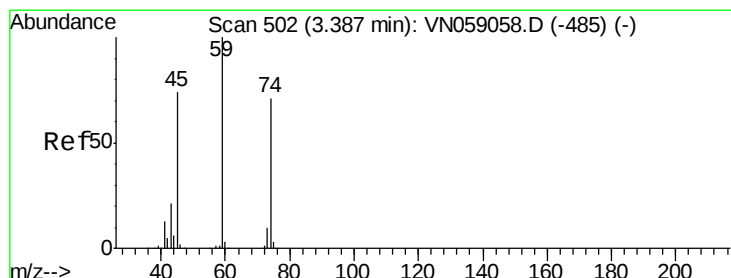
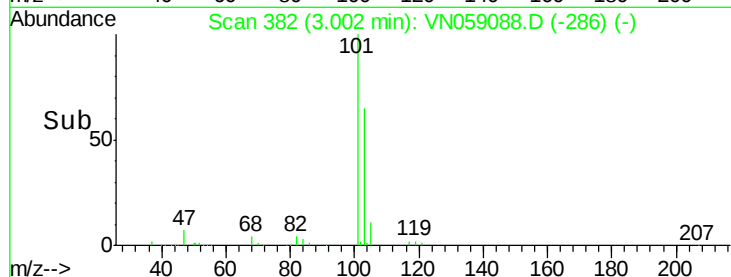
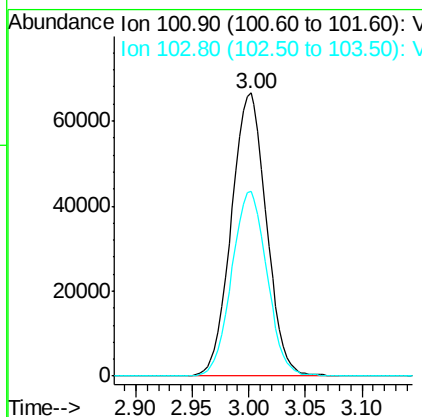
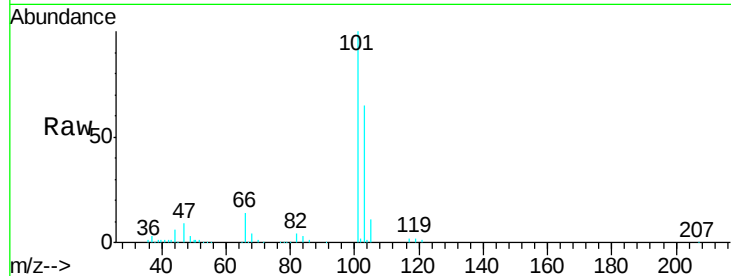
Trichlorofluoromethane
 Concen: 18.850 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.7	77.5

Manual Integrations
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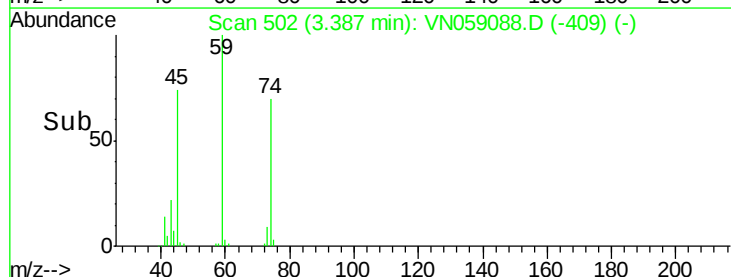
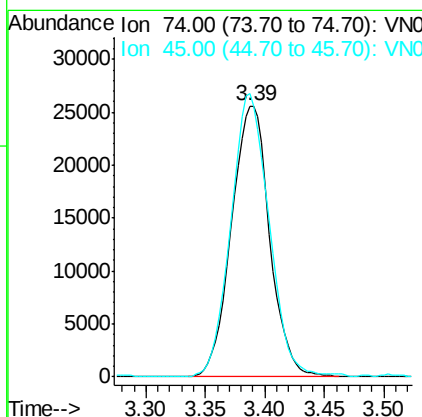
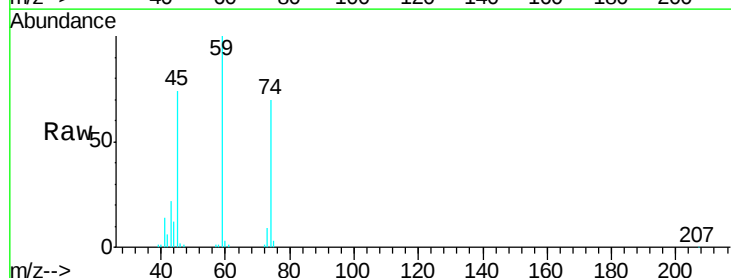
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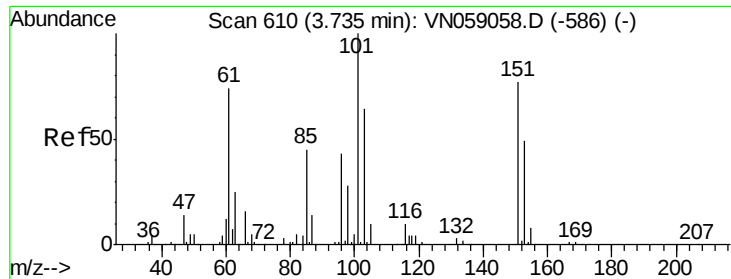


#8

Diethyl Ether
 Concen: 19.072 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	52.8	158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.106 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

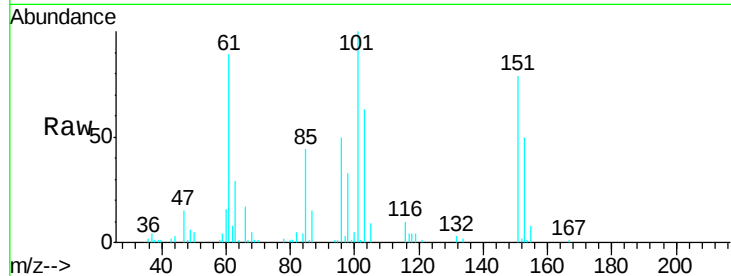
ClientSampleId :

VN1105WBS01

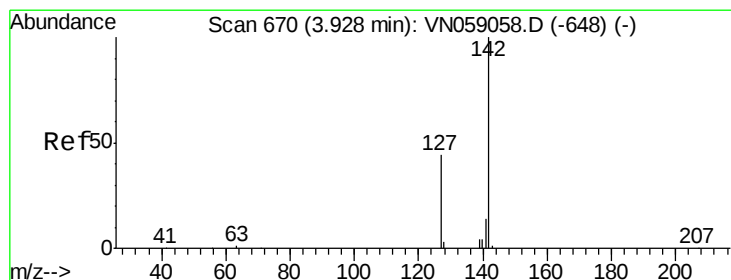
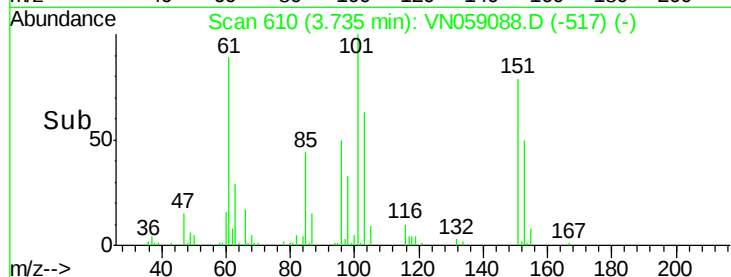
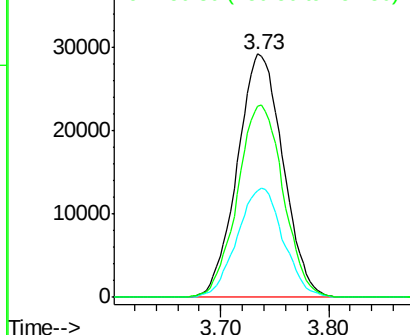
Tgt Ion:	101	Resp:	85952
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.0	52.6
151	79.2	61.3	91.9

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: 18.616 ug/l

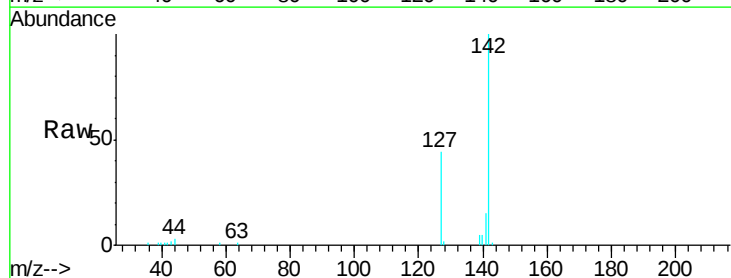
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

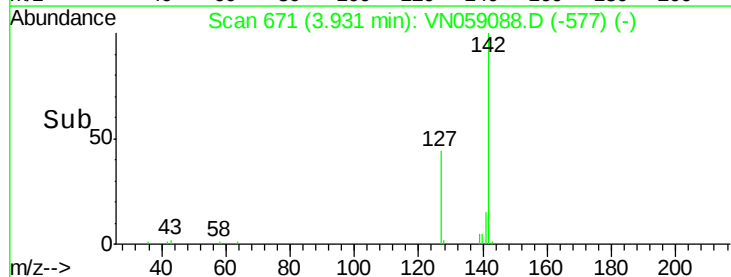
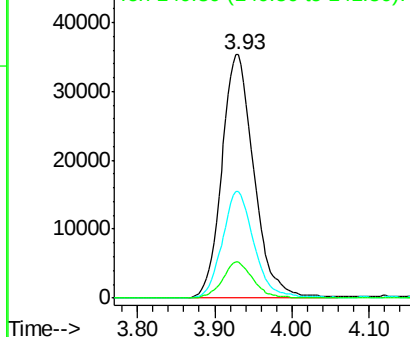
Lab File: VN059088.D

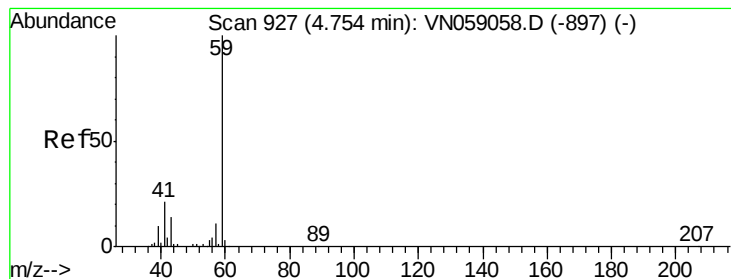
Acq: 5 Nov 2019 13:37

Tgt Ion:	142	Resp:	101787
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.2	51.2
141	14.0	11.1	16.7



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

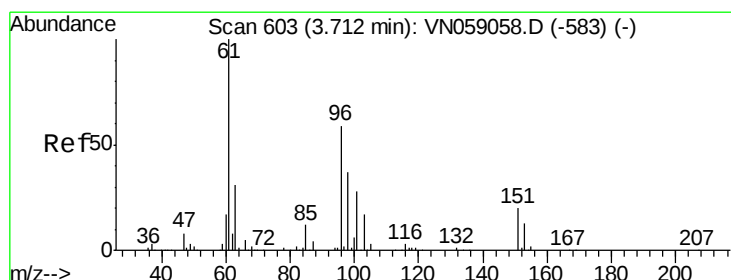
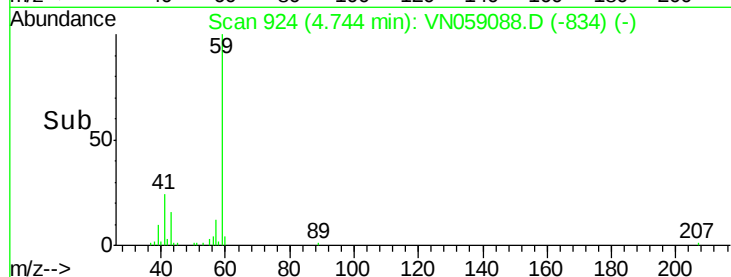
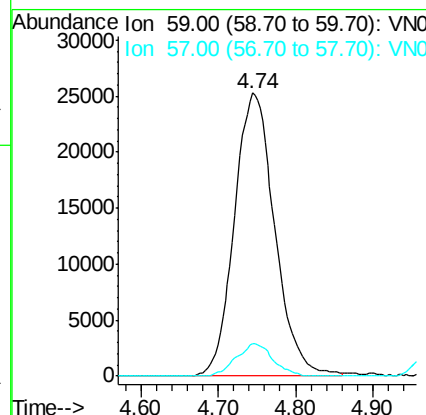
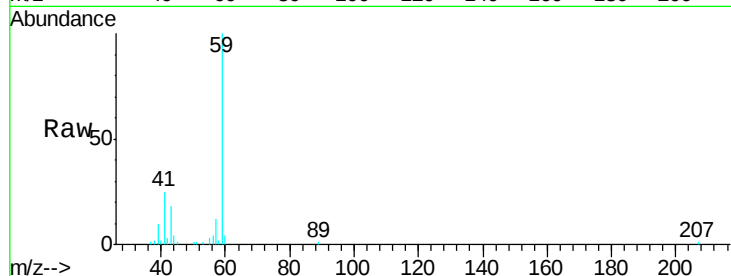
Tert butyl alcohol
 Concen: 82.869 ug/l
 RT: 4.74 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tgt Ion: 59 Resp: 91679
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

Manual Integrations
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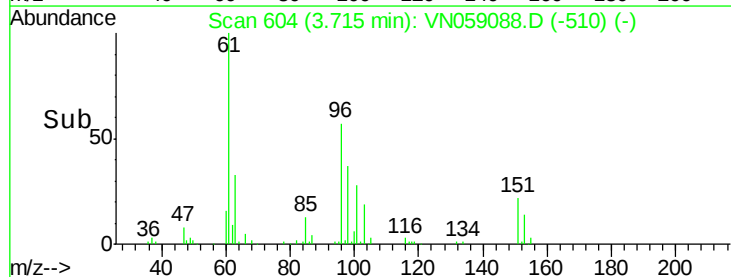
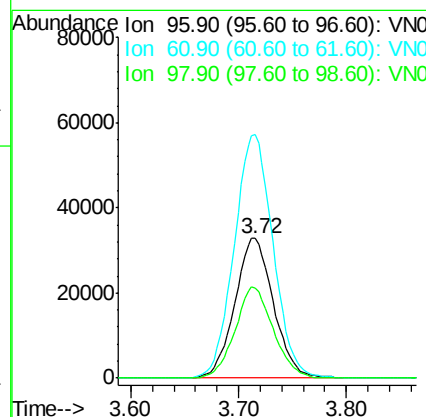
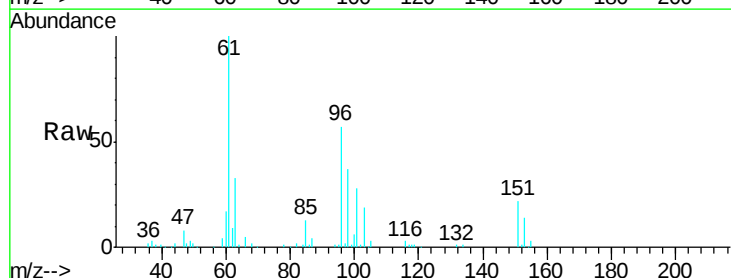
MMDadoda
 11/6/2019 1:56:20 PM

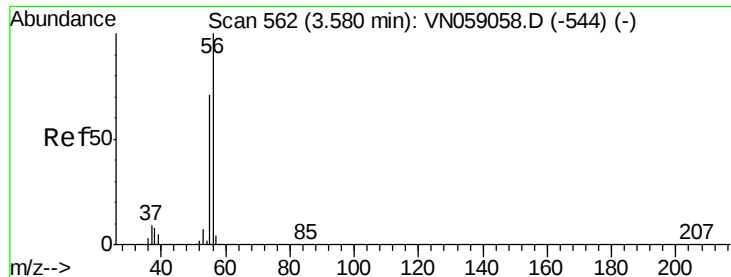


#12

1,1-Dichloroethene
 Concen: 18.317 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion: 96 Resp: 81949
 Ion Ratio Lower Upper
 96 100
 61 174.0 135.3 202.9
 98 64.6 49.4 74.2





#13

Acrolein

Concen: 82.313 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 56 Resp: 57461

Ion Ratio Lower Upper

56 100

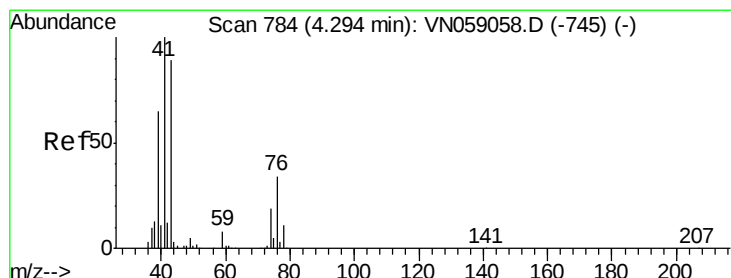
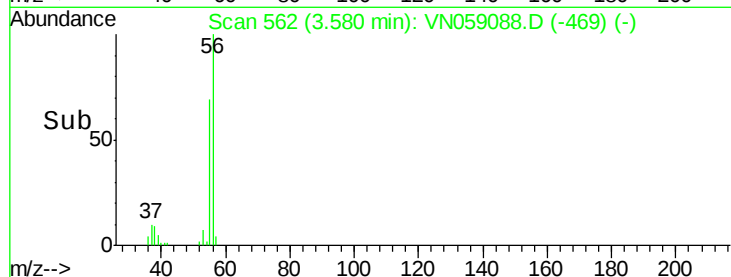
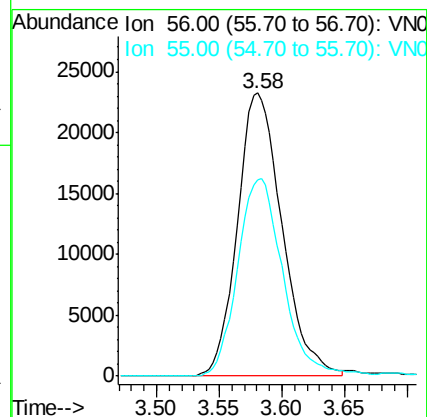
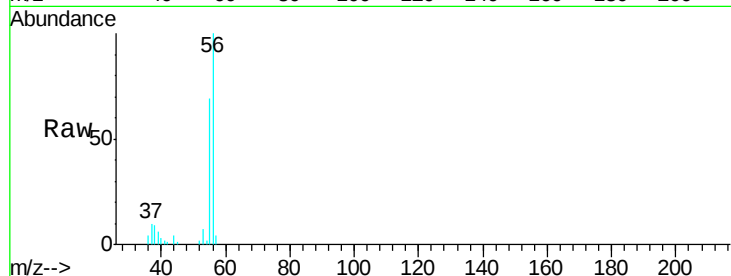
55 70.6 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.369 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

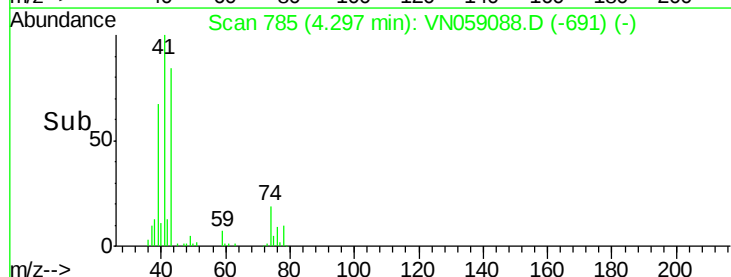
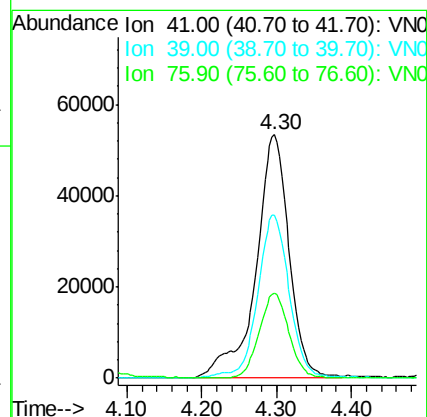
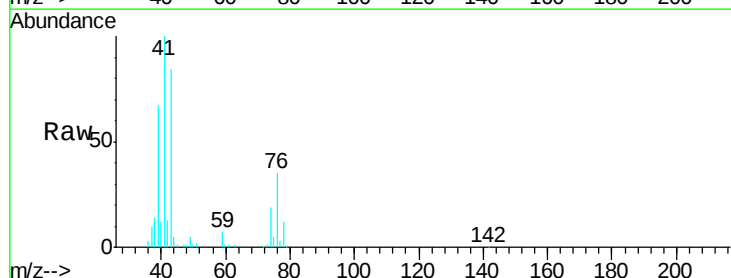
Tgt Ion: 41 Resp: 162843

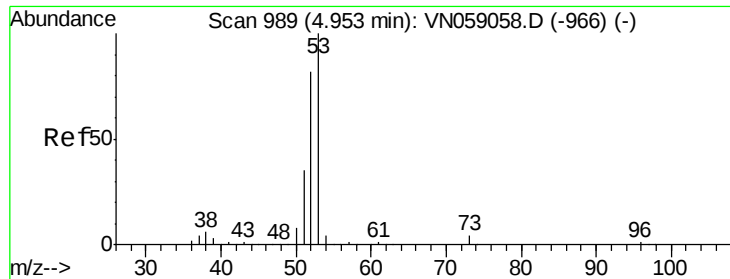
Ion Ratio Lower Upper

41 100

39 64.8 49.4 74.2

76 31.6 24.6 37.0





#15

Acrylonitrile

Concen: 93.295 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

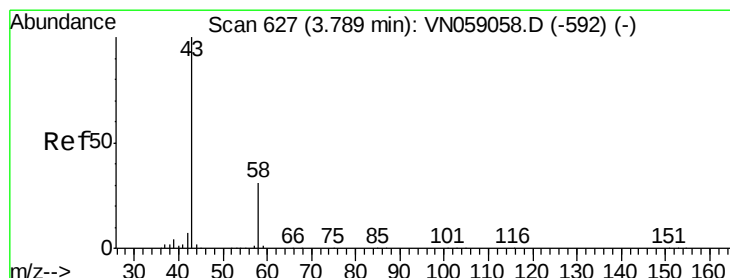
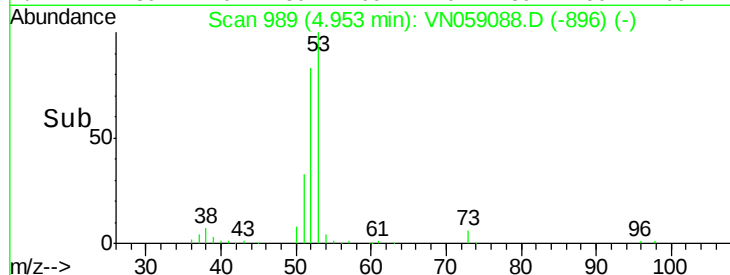
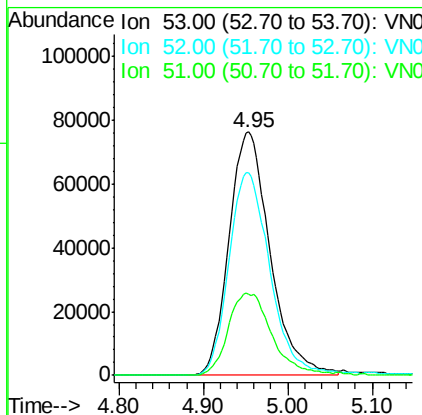
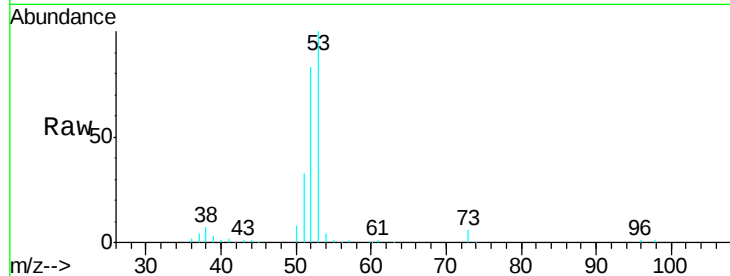
ClientSampleId :

VN1105WBS01

Tgt Ion:	53	Resp:	258914
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	35.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 98.742 ug/l

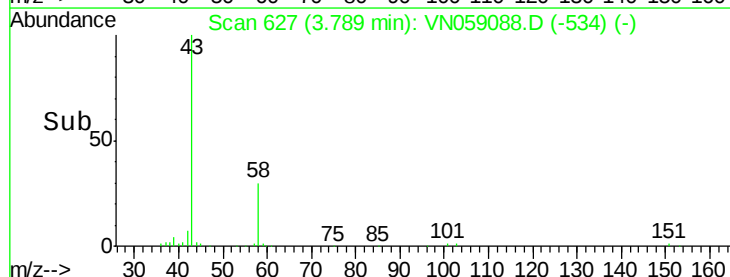
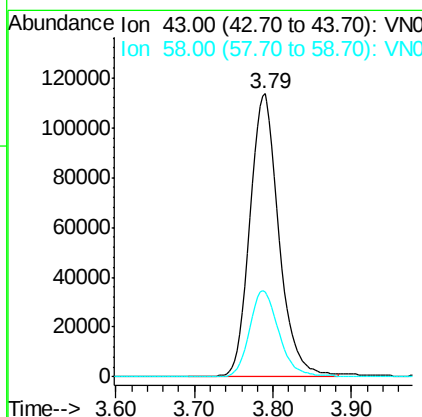
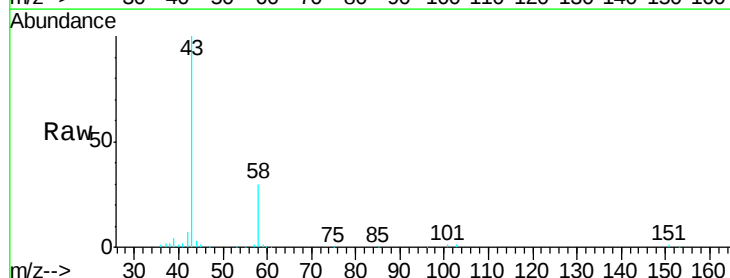
RT: 3.79 min Scan# 627

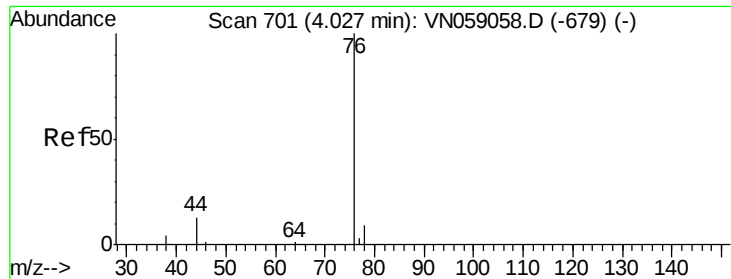
Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	43	Resp:	298815
Ion	Ratio	Lower	Upper
43	100		
58	30.2	25.0	37.6





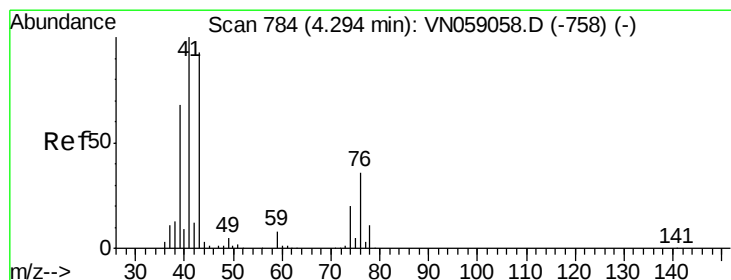
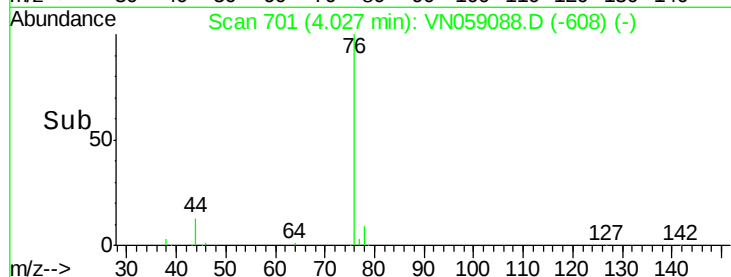
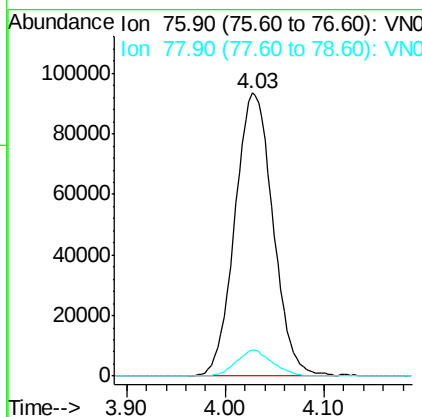
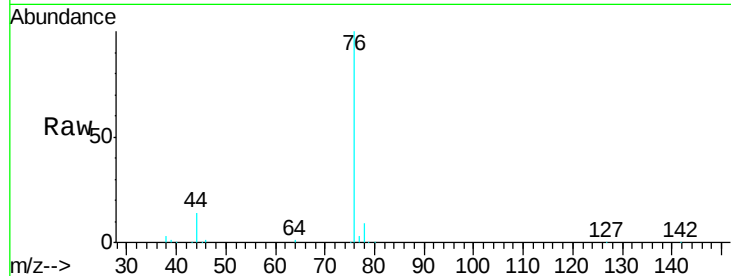
#17
Carbon Disulfide
Concen: 17.575 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion: 76 Resp: 249981
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6

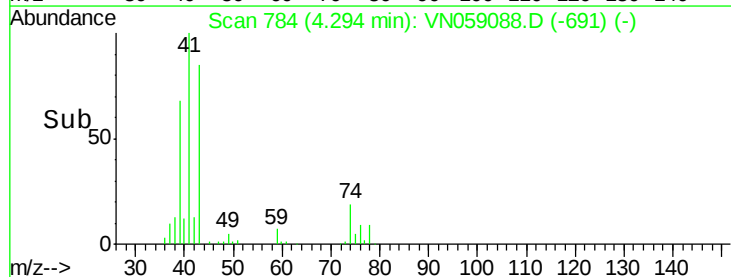
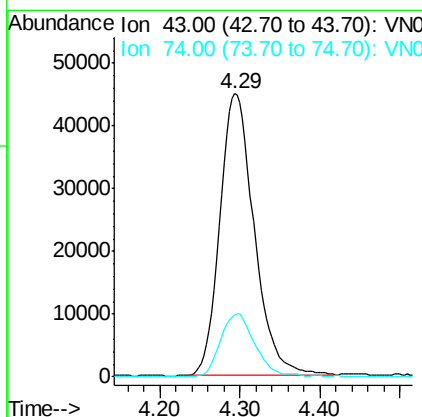
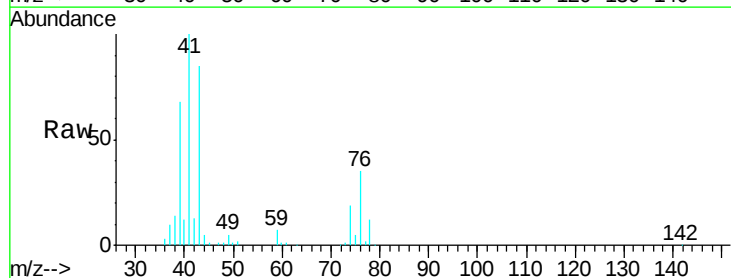
Manual Integrations
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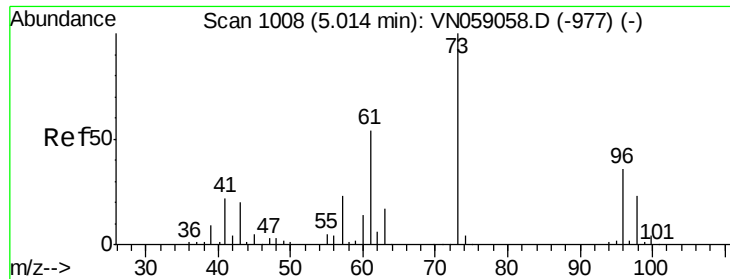
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#18
Methyl Acetate
Concen: 17.245 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 43 Resp: 132210
Ion Ratio Lower Upper
43 100
74 22.6 17.5 26.3





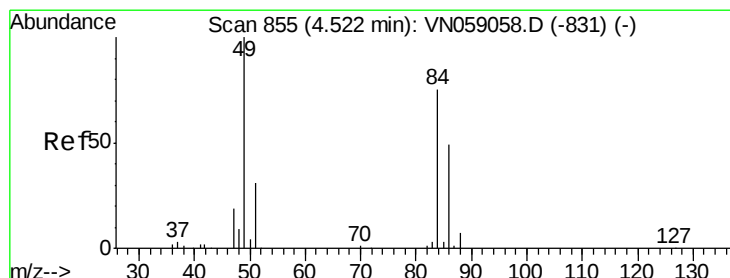
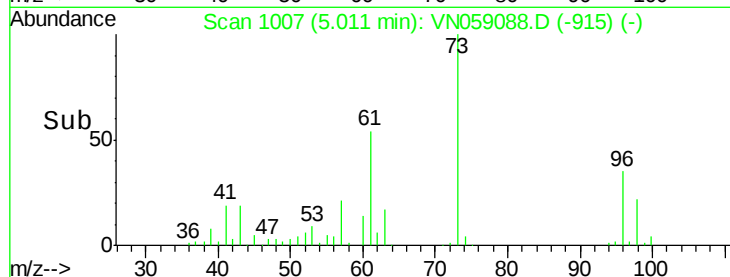
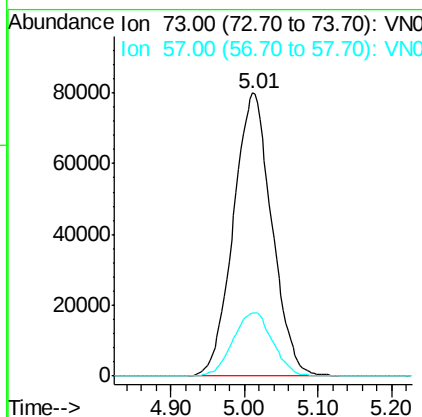
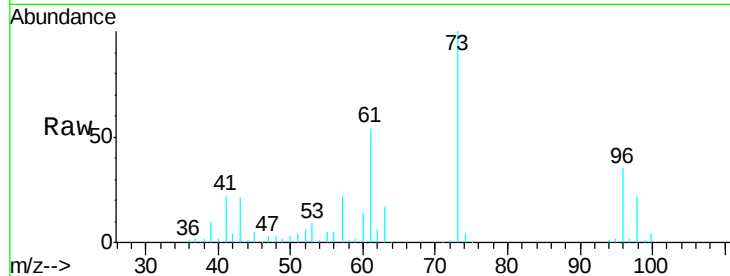
#19
Methyl tert-butyl Ether
Concen: 19.025 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion: 73 Resp: 289902
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

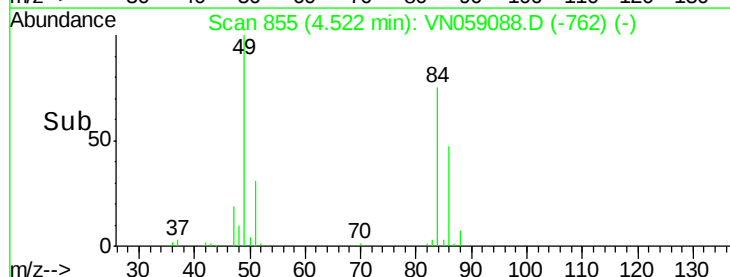
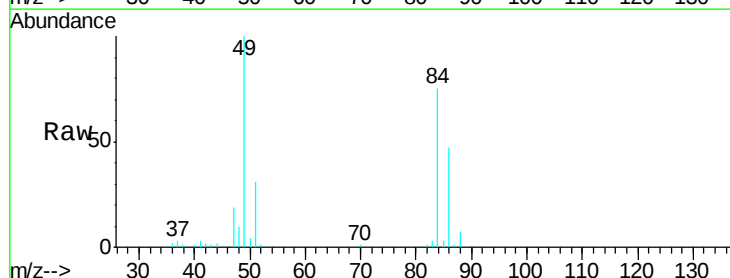
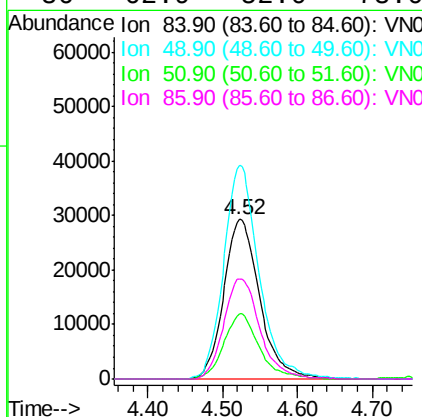
Manual Integrations
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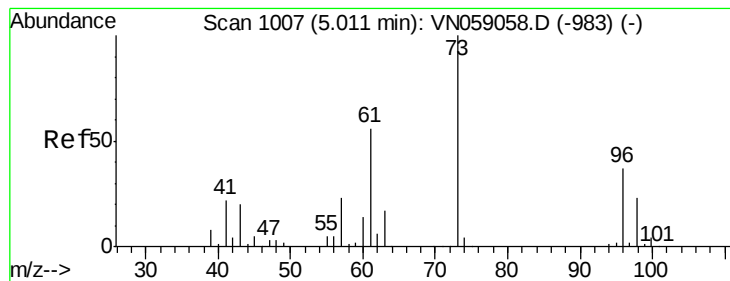
MMDadoda
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#20
Methylene Chloride
Concen: 18.389 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 84 Resp: 97420
Ion Ratio Lower Upper
84 100
49 133.9 106.4 159.6
51 41.0 33.0 49.4
86 62.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.541 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

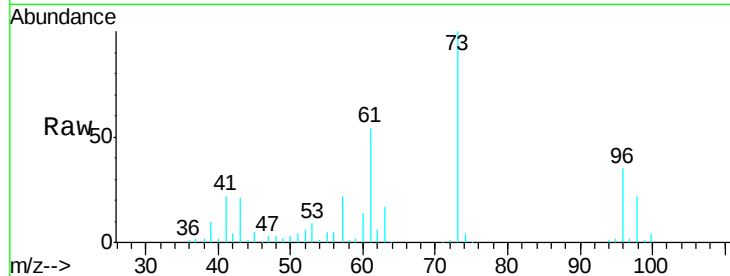
ClientSampleId :

VN1105WBS01

Tgt Ion:	96	Resp:	89054
Ion Ratio	Lower	Upper	
96	100		
61	151.7	121.7	182.5
98	61.5	50.6	76.0

Manual Integrations
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11/6/2019 1:56:20 PM

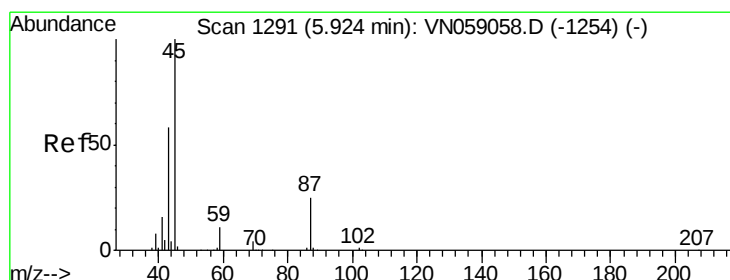
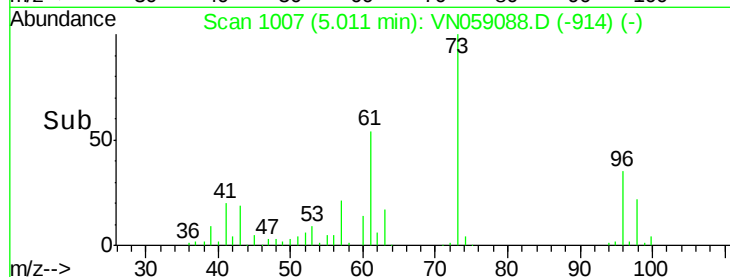
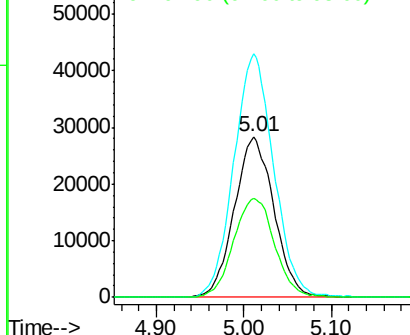


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 19.696 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	45	Resp:	332586
Ion Ratio	Lower	Upper	
45	100		
43	63.4	46.9	70.3
87	26.0	20.1	30.1
59	11.4	9.0	13.4

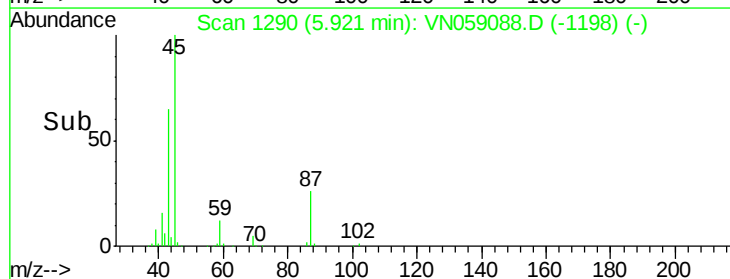
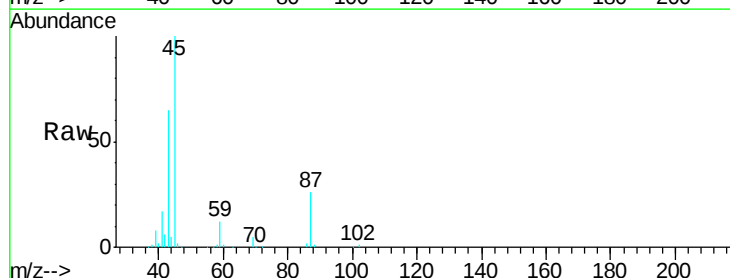
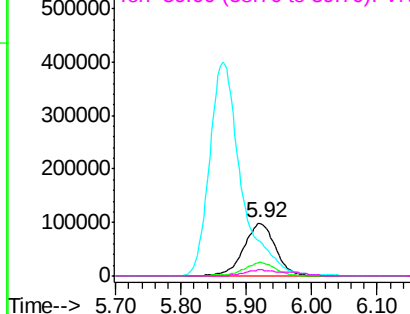
Abundance

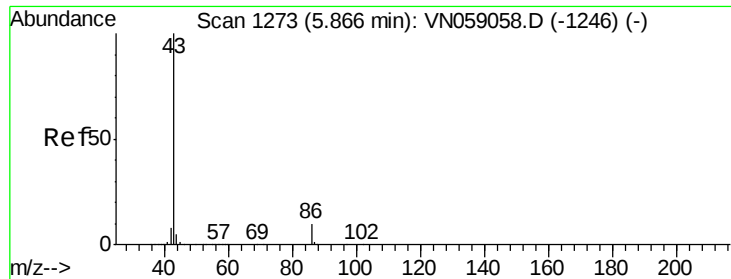
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 100.224 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 43 Resp: 1347954

Ion Ratio Lower Upper

43 100

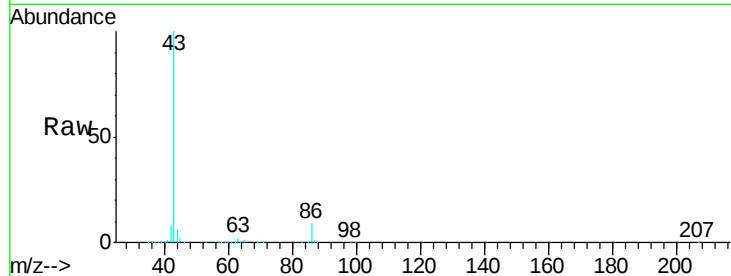
86 9.5 7.6 11.4

Manual Integrations

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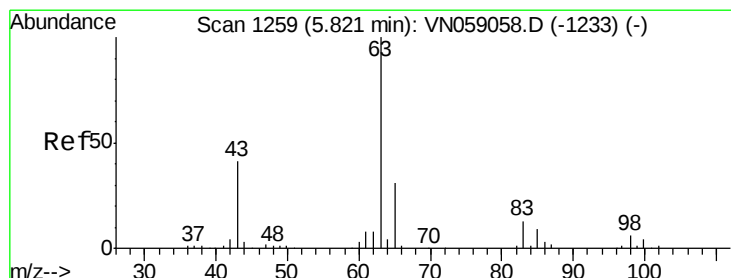
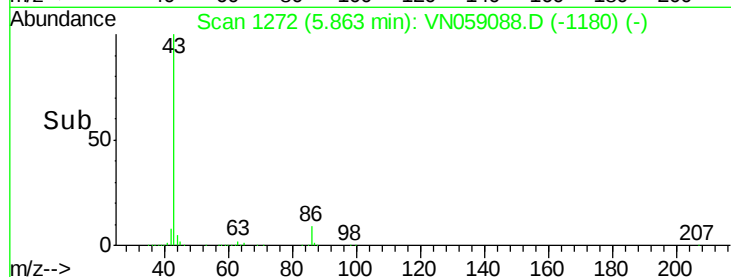
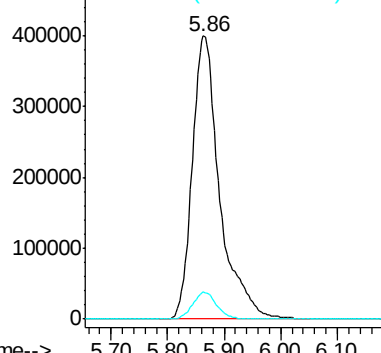
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.791 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

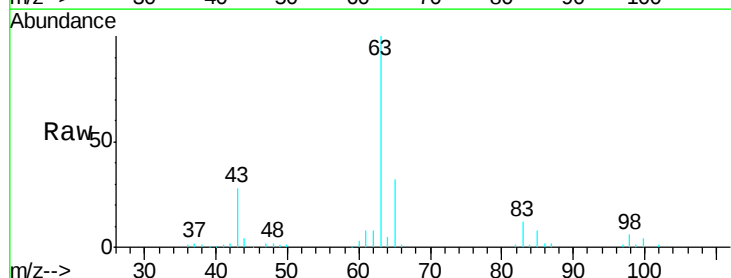
Tgt Ion: 63 Resp: 181414

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

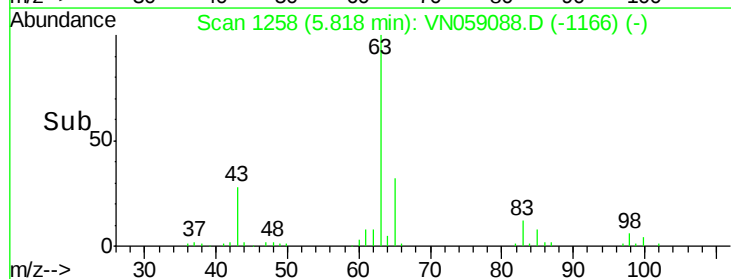
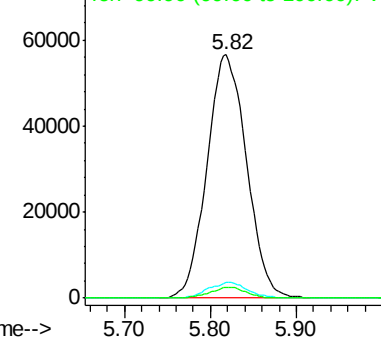
100 4.5 2.0 6.0

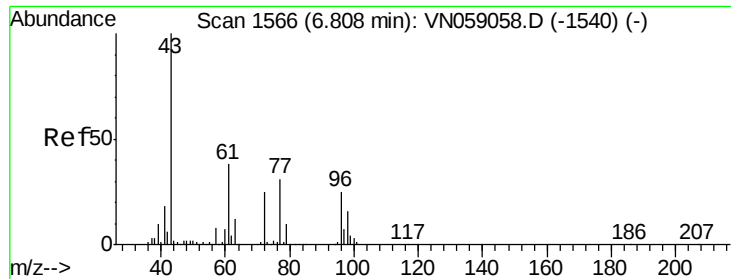


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 93.740 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 43 Resp: 377730

Ion Ratio Lower Upper

43 100

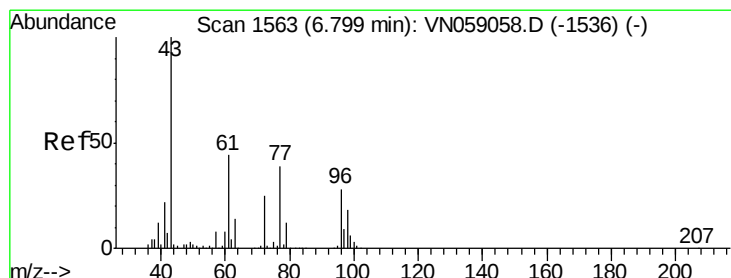
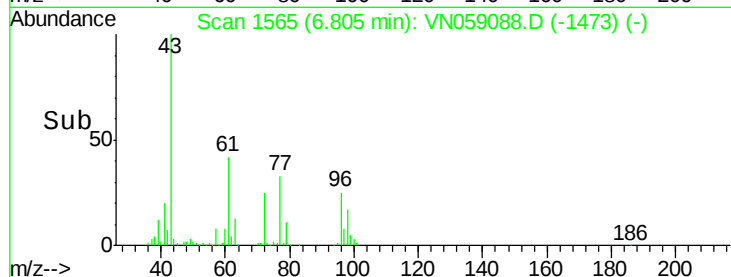
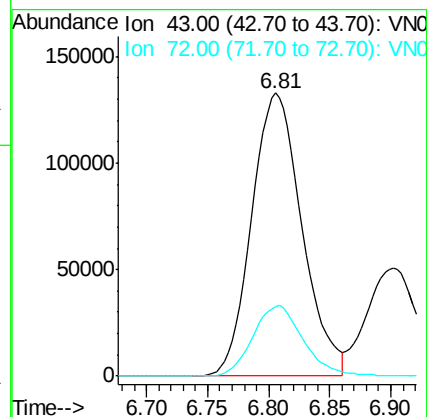
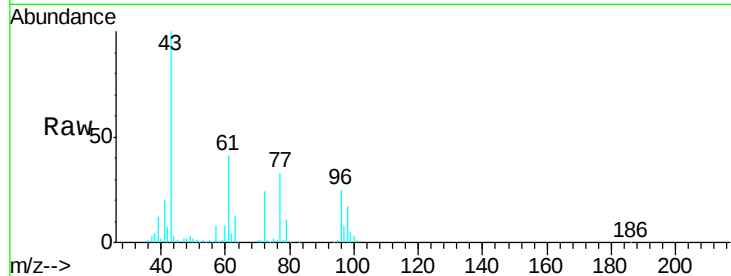
72 24.5 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.963 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059088.D

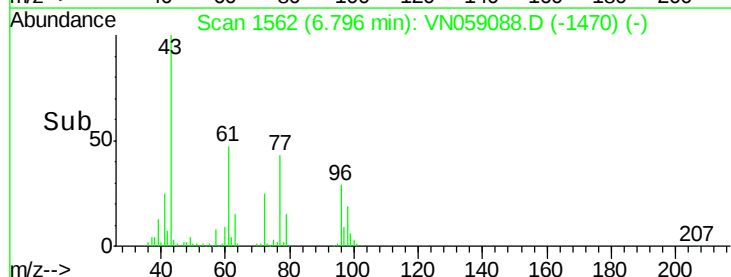
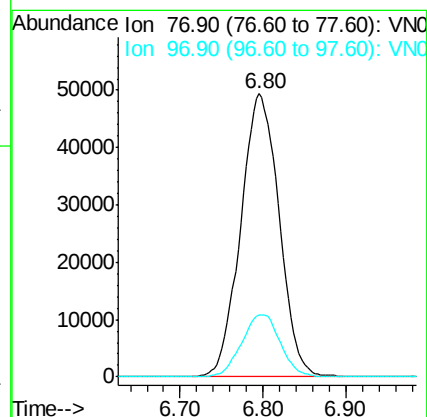
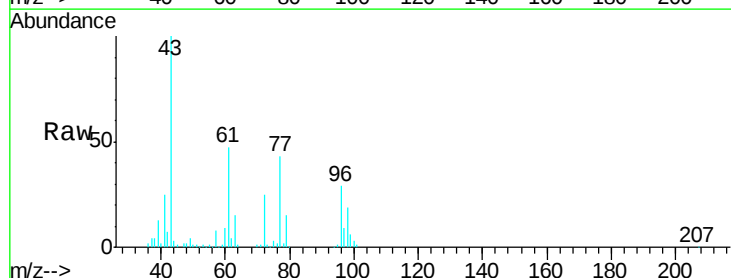
Acq: 5 Nov 2019 13:37

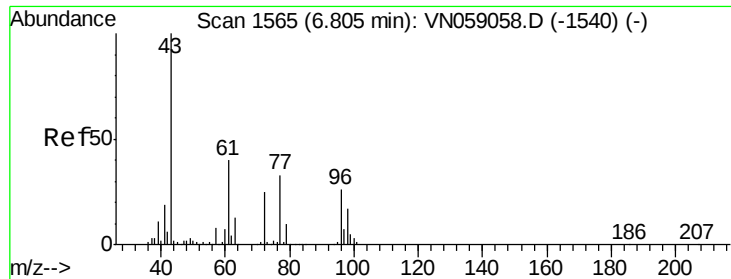
Tgt Ion: 77 Resp: 158904

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 18.884 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

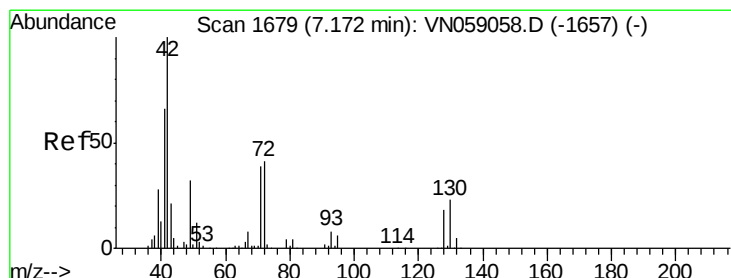
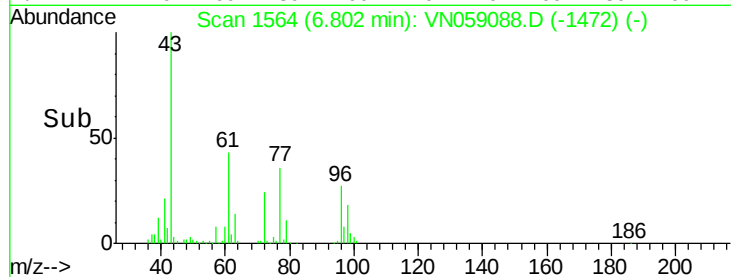
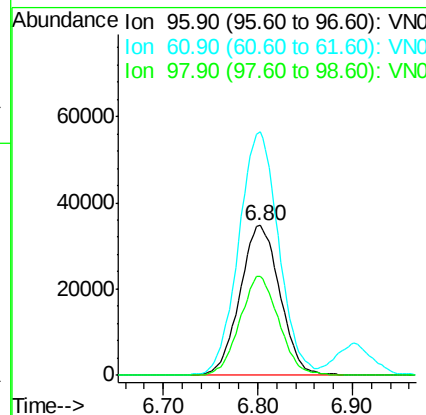
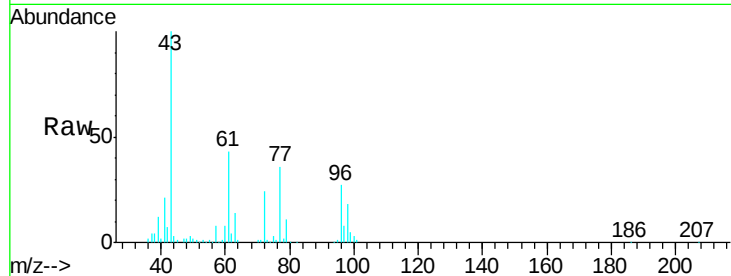
ClientSampleId :

VN1105WBS01

Tgt Ion:	96	Resp:	102127
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	316.4
98	64.4	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 17.755 ug/l

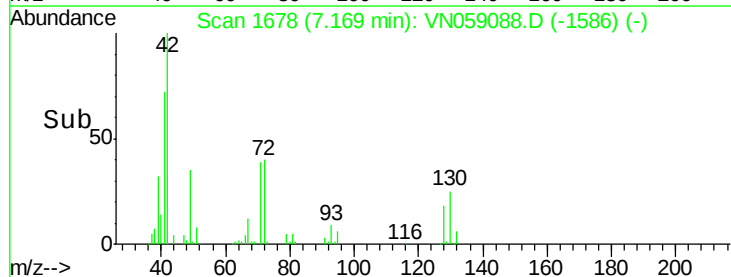
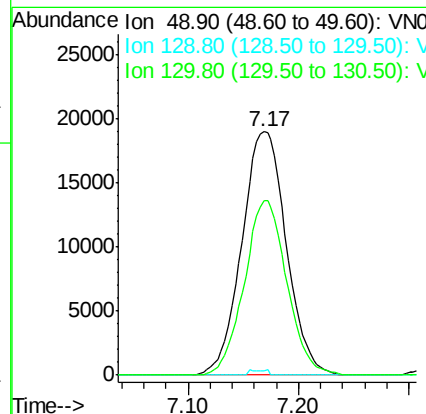
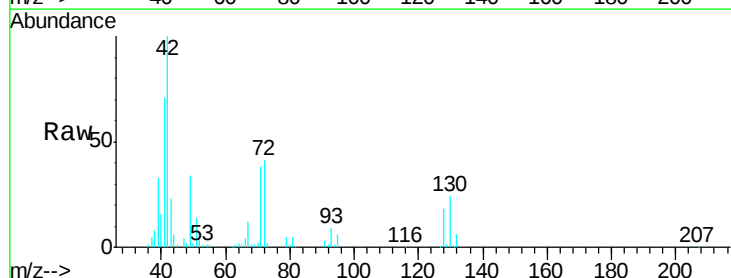
RT: 7.17 min Scan# 1678

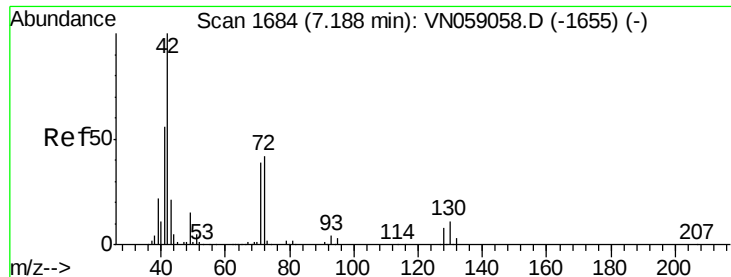
Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	49	Resp:	52902
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.4
130	68.3	55.0	82.6





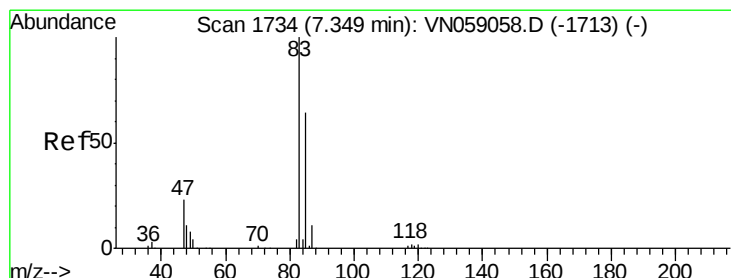
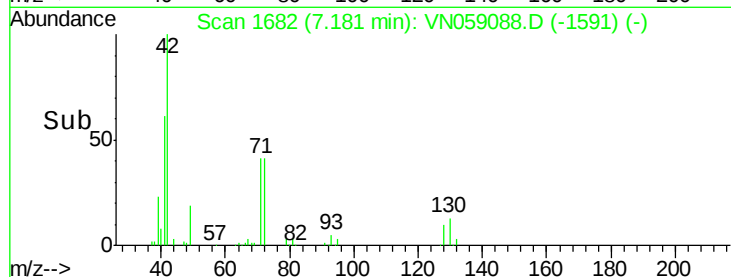
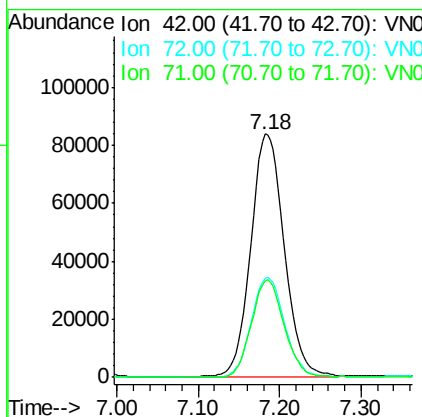
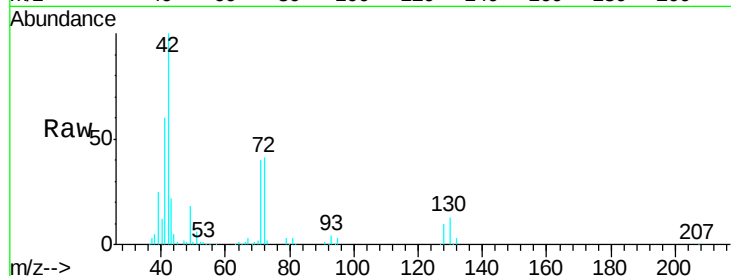
#29
Tetrahydrofuran
Concen: 93.880 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.7	49.1
71	38.9	31.2	46.8

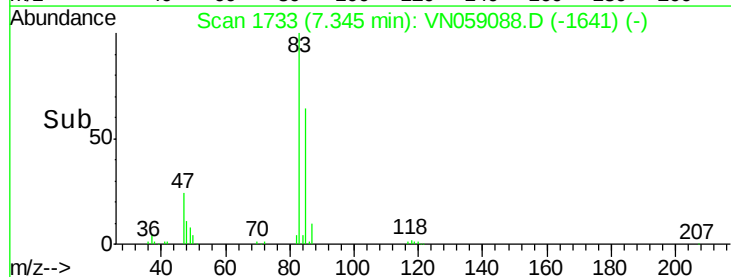
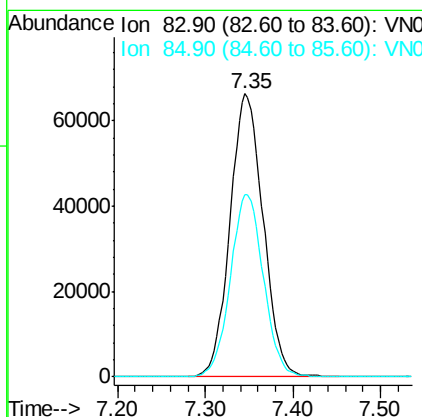
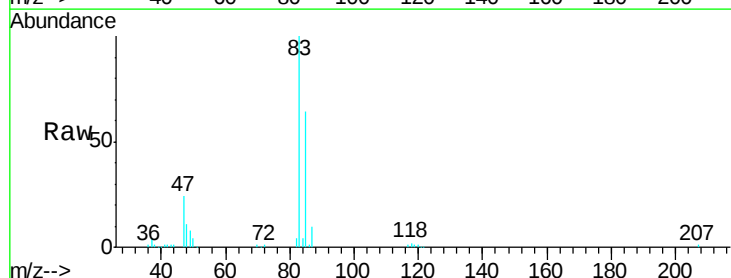
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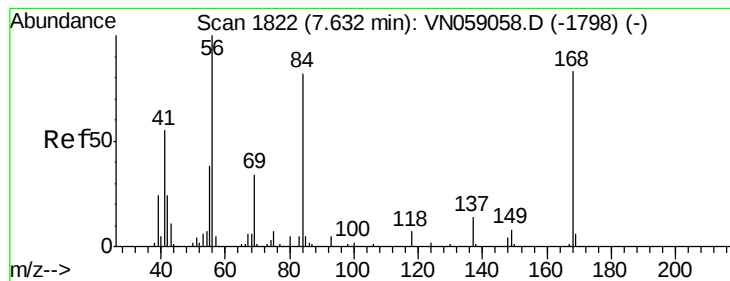
MMDadoda
11/6/2019 1:56:20 PM



#30
Chloroform
Concen: 18.894 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3





#31

Cyclohexane

Concen: 18.207 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 56 Resp: 167655

Ion Ratio Lower Upper

56 100

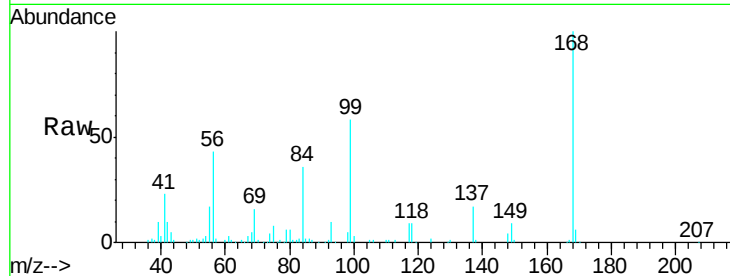
69 37.6 27.2 40.8

84 82.6 65.2 97.8

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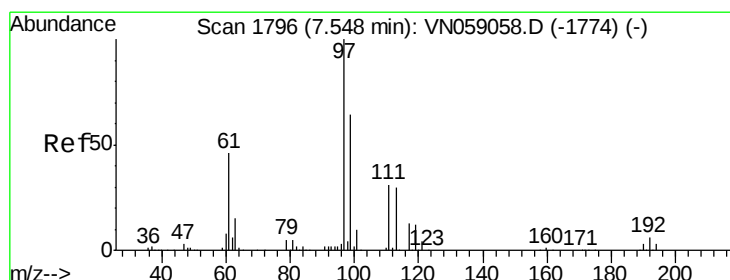
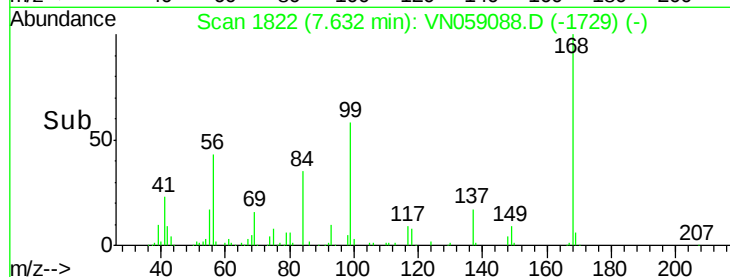
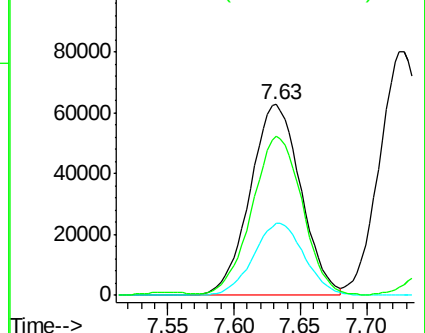
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.102 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

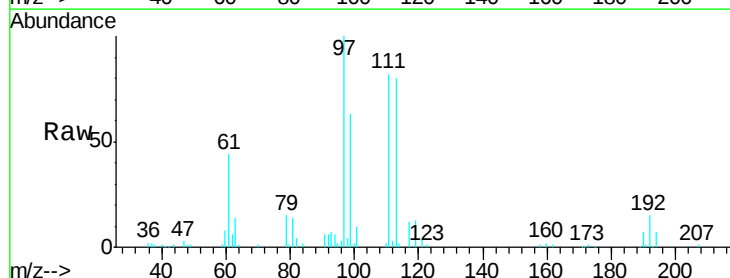
Tgt Ion: 97 Resp: 149197

Ion Ratio Lower Upper

97 100

99 63.8 50.7 76.1

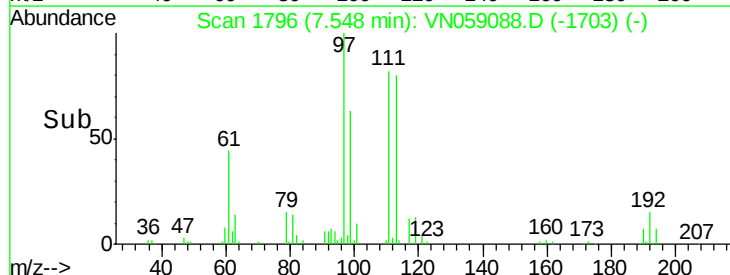
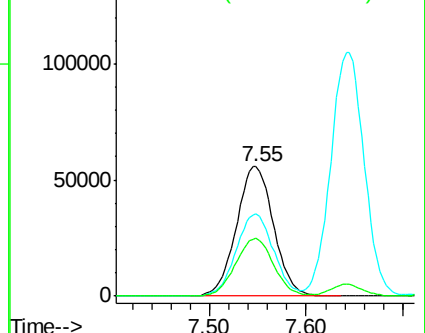
61 45.2 36.3 54.5

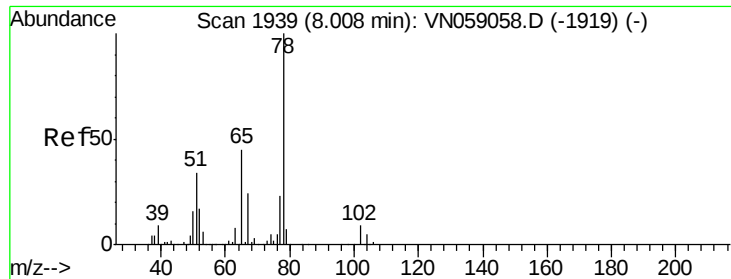


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 46.541 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 65 Resp: 278200

Ion Ratio Lower Upper

65 100

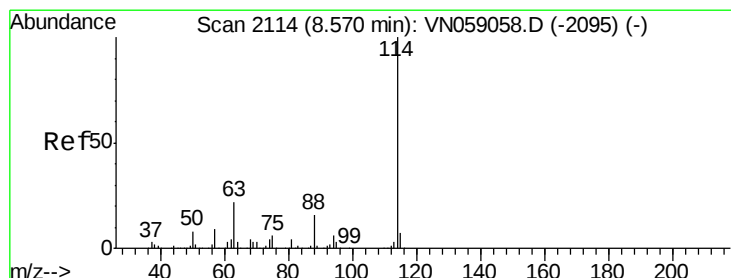
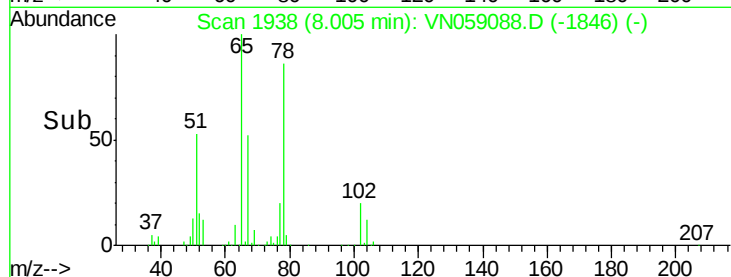
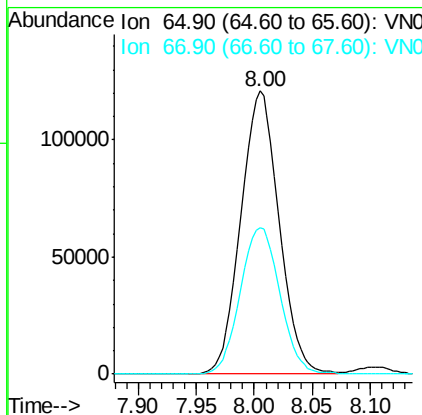
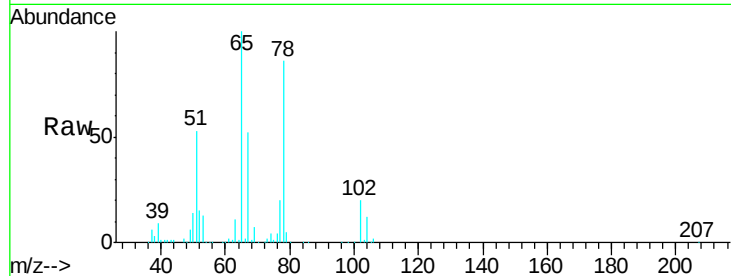
67 53.8 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

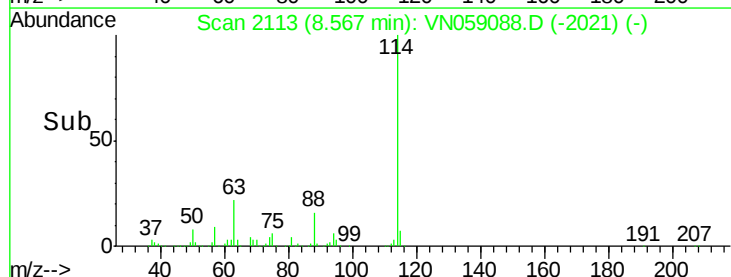
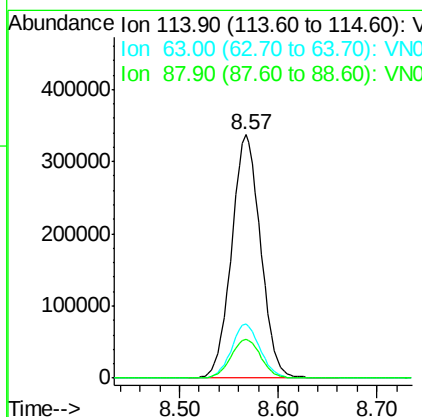
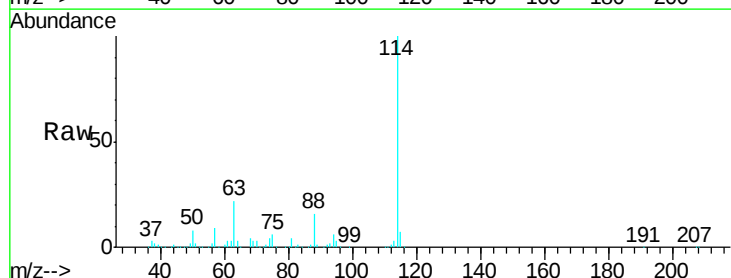
Tgt Ion: 114 Resp: 690386

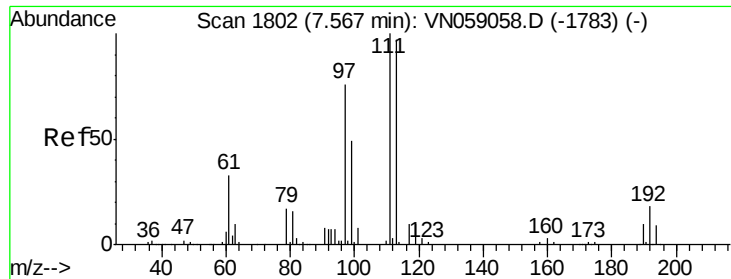
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

88 16.0 0.0 33.0





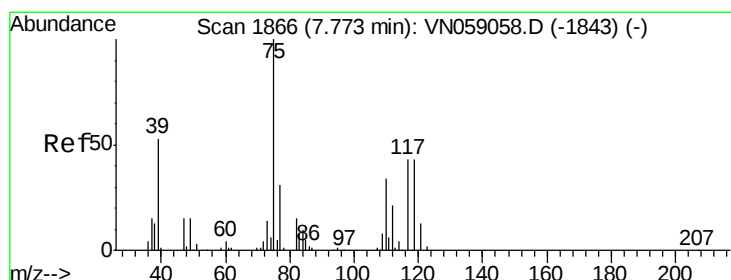
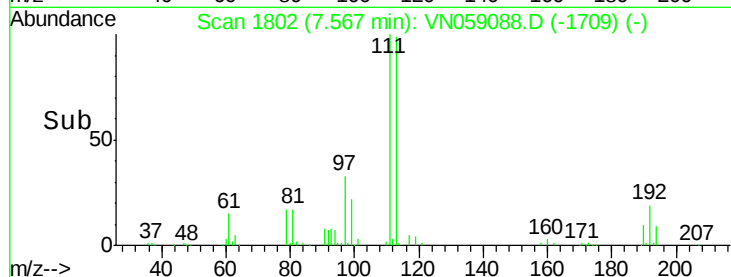
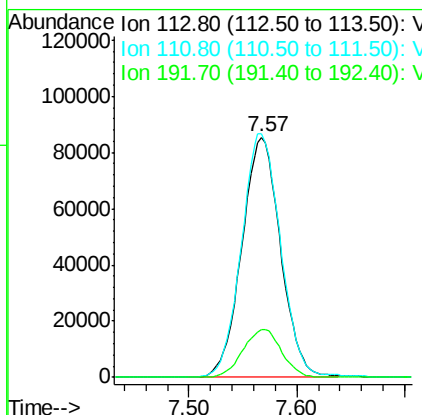
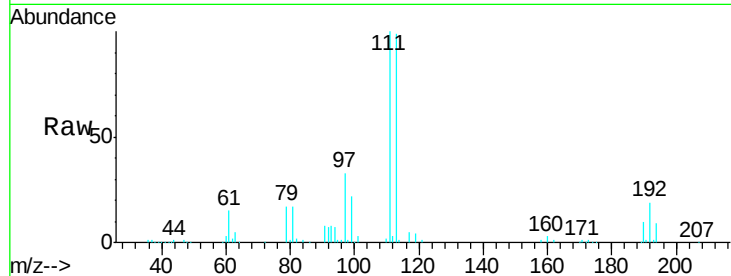
#35
Dibromofluoromethane
Concen: 47.797 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	212880		
111	103.2	82.9	124.3	
192	20.0	15.9	23.9	

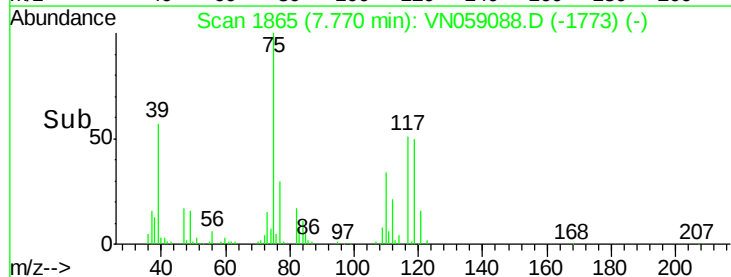
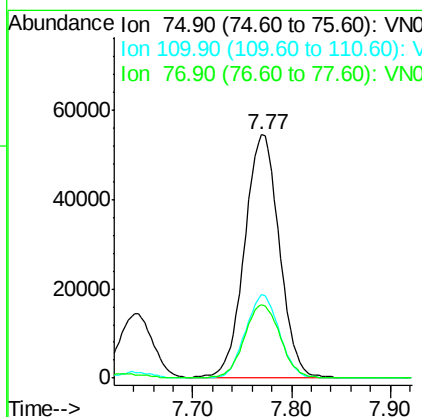
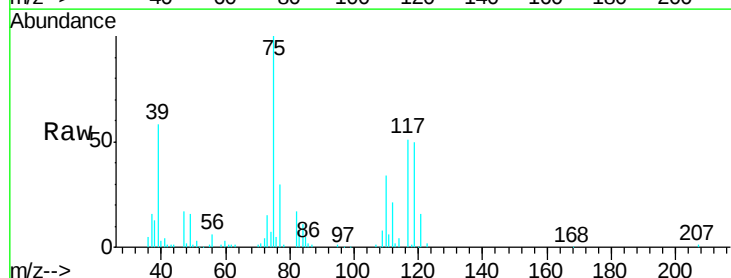
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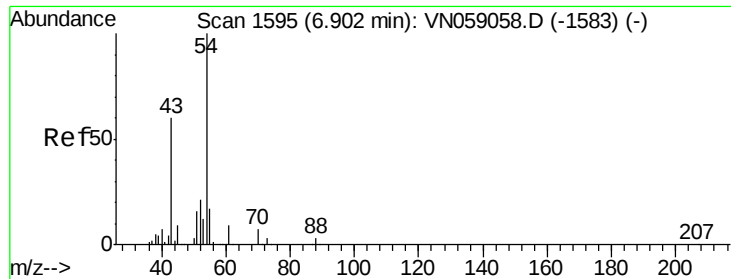
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#36
1,1-Dichloropropene
Concen: 19.176 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131579		
110	33.7	16.9	50.6	
77	31.5	25.0	37.4	





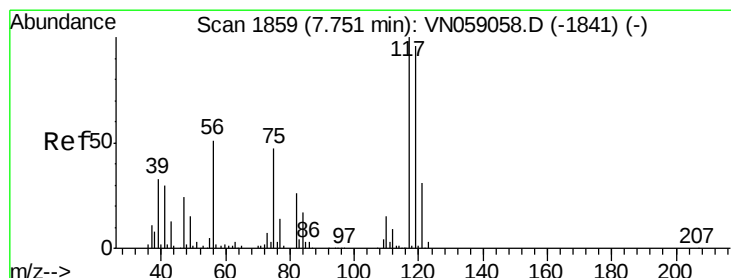
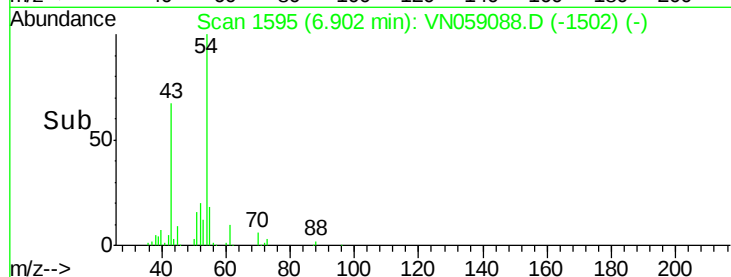
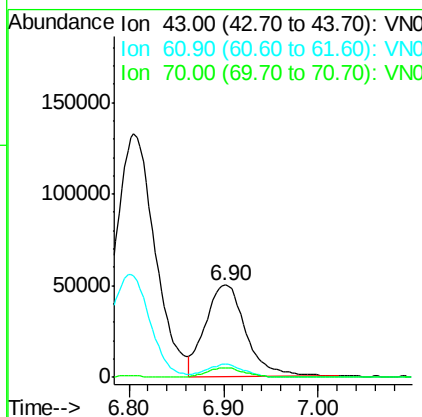
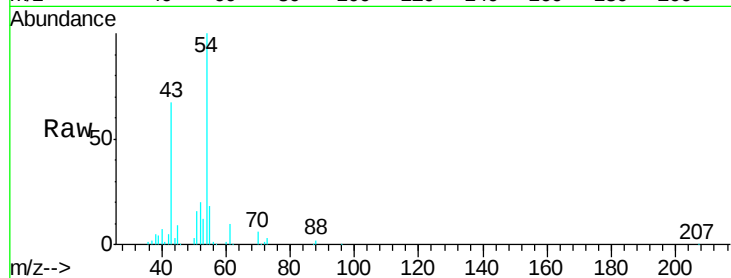
#37
Ethyl Acetate
Concen: 19.515 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.2	16.8
70	9.7	8.0	12.0

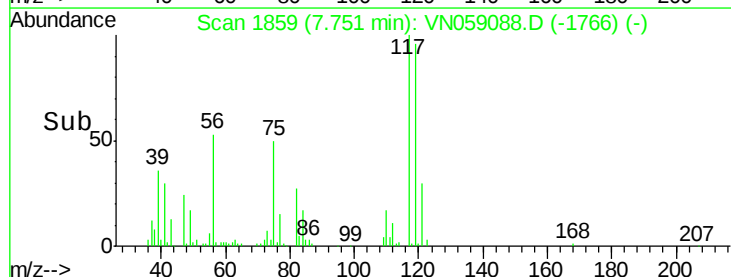
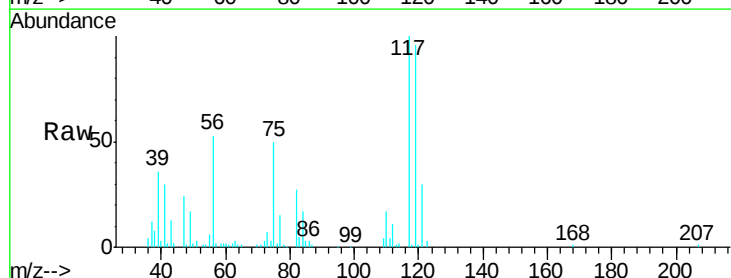
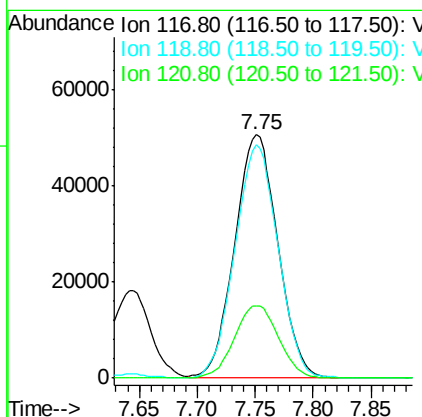
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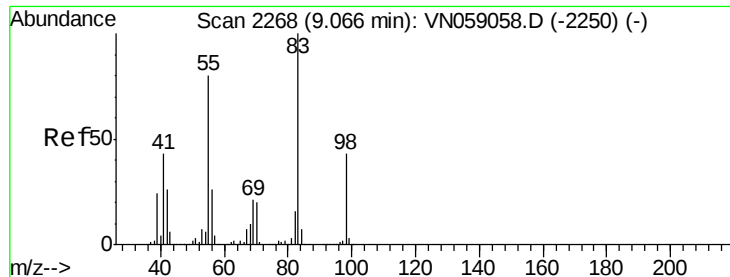
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#38
Carbon Tetrachloride
Concen: 19.638 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	114.8
121	29.8	24.6	37.0





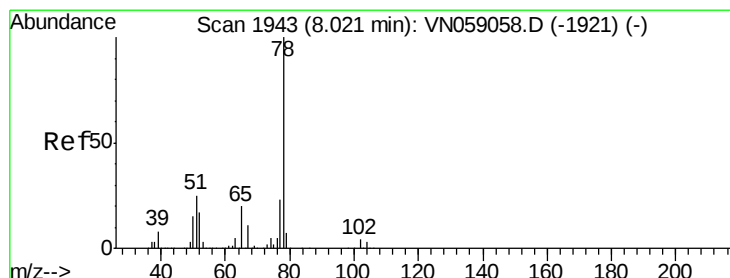
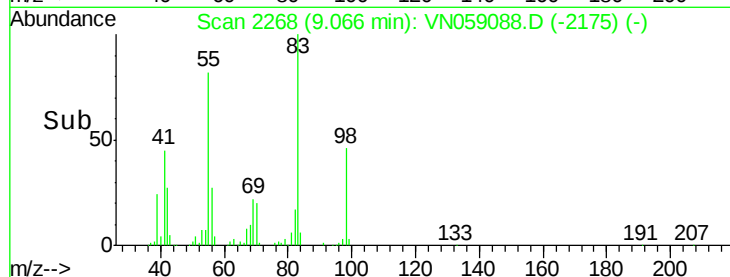
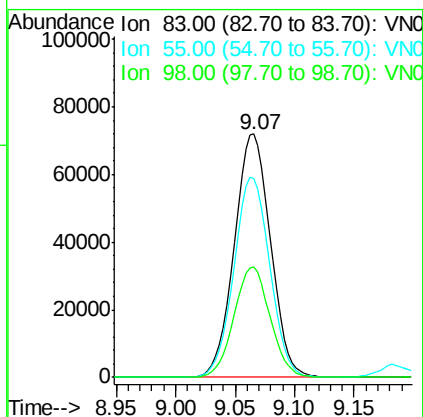
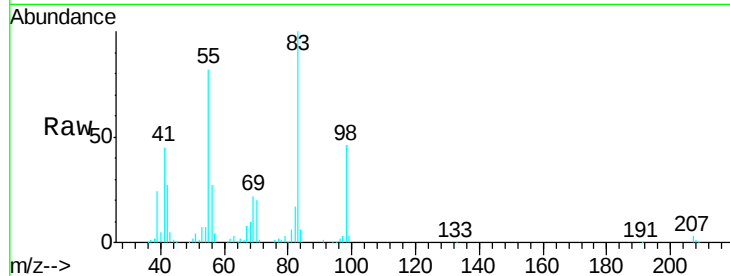
#39
Methylcyclohexane
Concen: 19.143 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	151820		
55	81.6	64.1	96.1	
98	45.6	34.3	51.5	

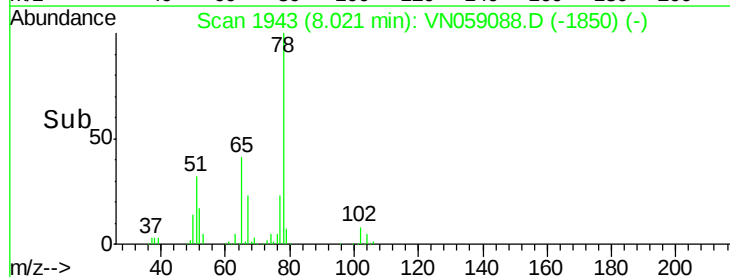
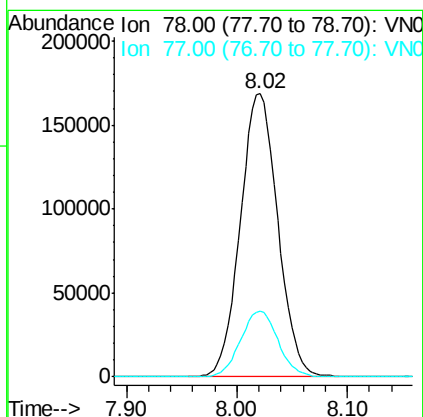
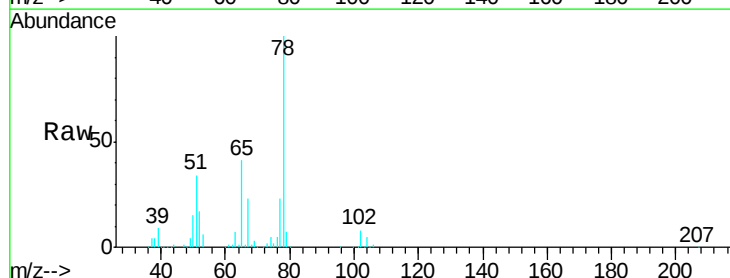
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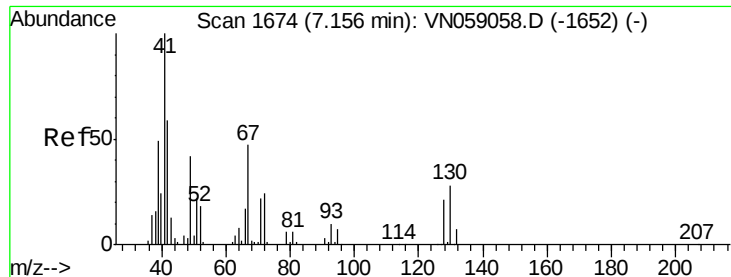
MMDadoda
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#40
Benzene
Concen: 19.498 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	397042		
77	23.1	18.6	27.8	





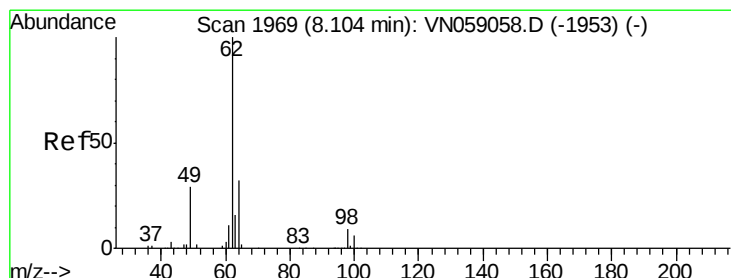
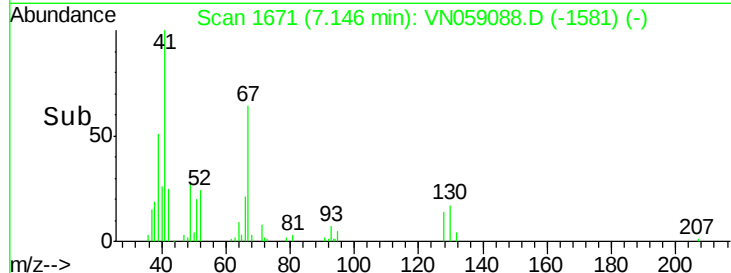
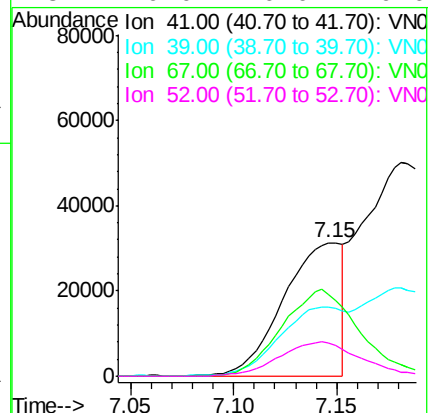
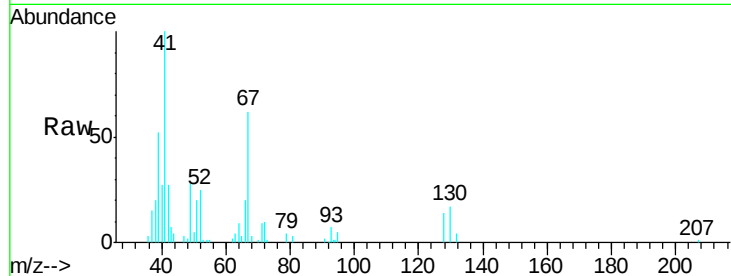
#41
Methacrylonitrile
Concen: 18.869 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

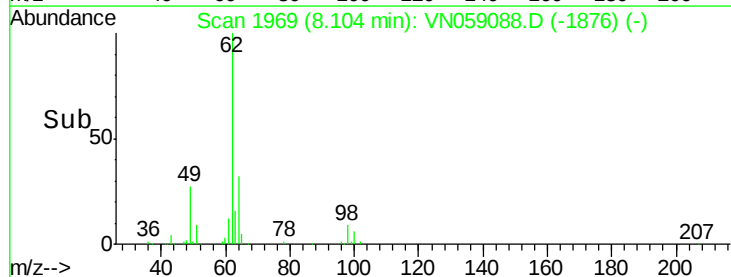
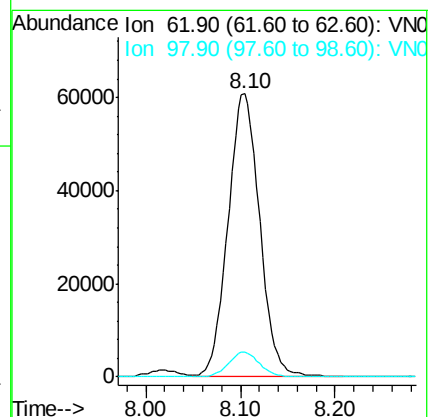
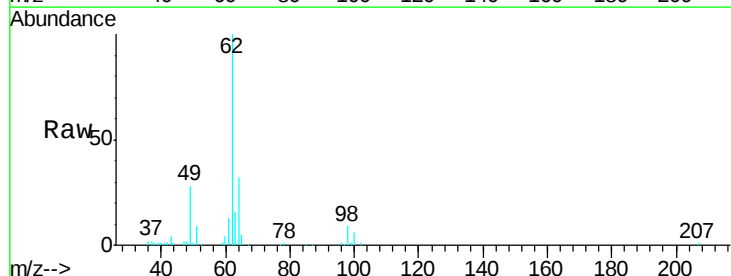
Manual Integrations
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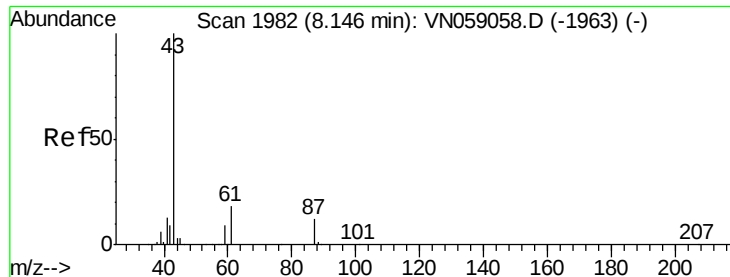
MMDadoda
11/6/2019 1:56:20 PM



#42
1,2-Dichloroethane
Concen: 20.076 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.0





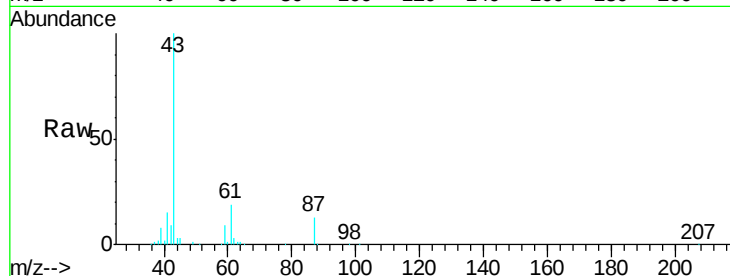
#43
Isopropyl Acetate
Concen: 19.207 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.4	20.5	30.7
87	12.5	9.8	14.8

Manual Integrations
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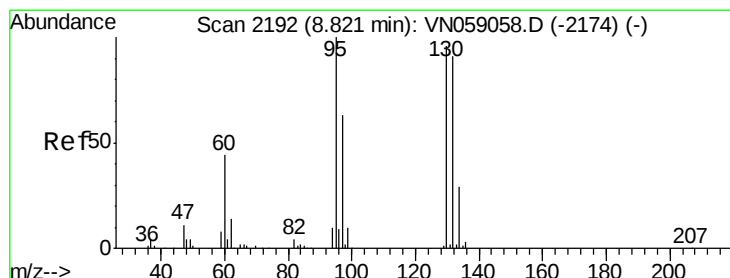
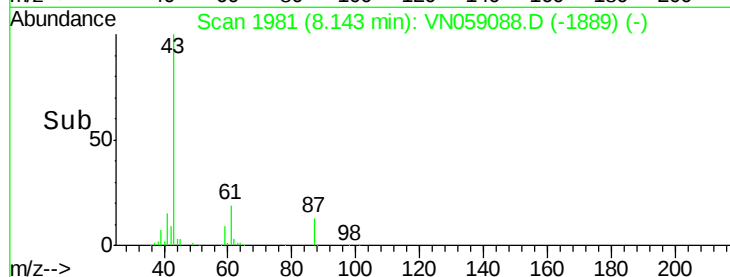
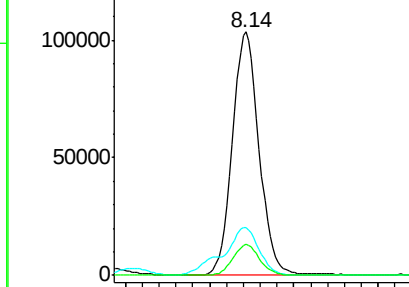
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Abundance Ion 43.00 (42.70 to 43.70): VN059088.D (-1963) (-)

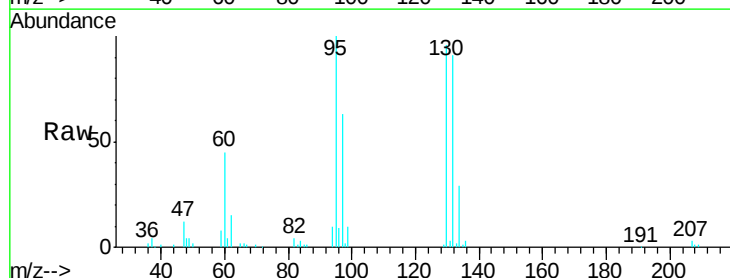
Ion 61.00 (60.70 to 61.70): VN059088.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN059088.D (-1963) (-)



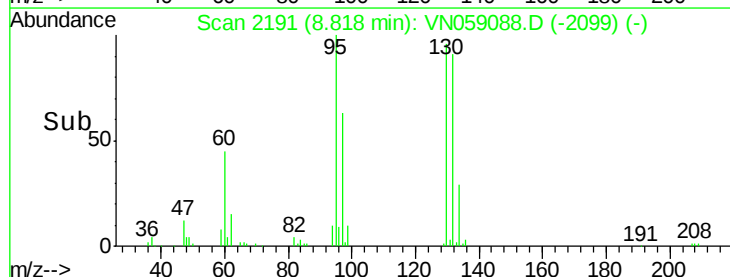
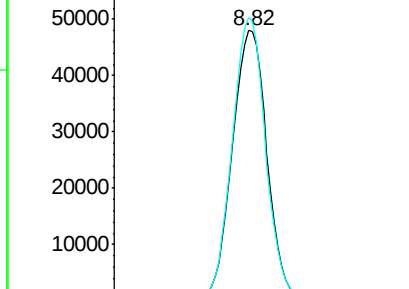
#44
Trichloroethene
Concen: 19.987 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

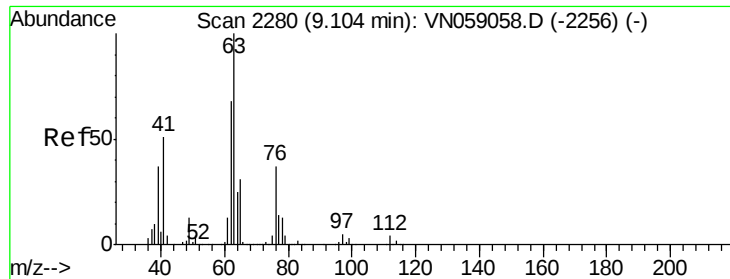
Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	207.6



Abundance Ion 129.80 (129.50 to 130.50): VN059088.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN059088.D (-2099) (-)





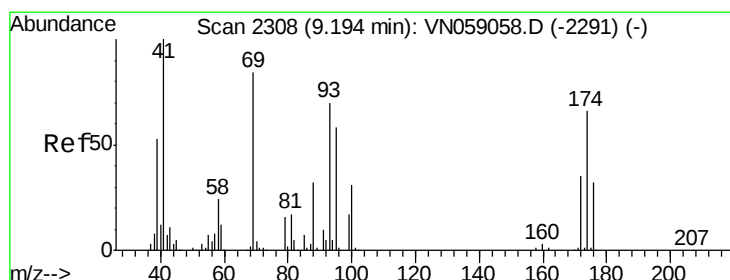
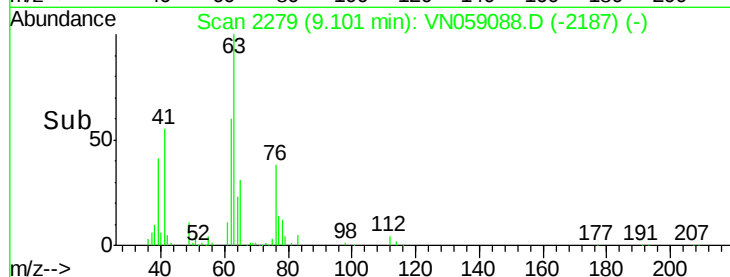
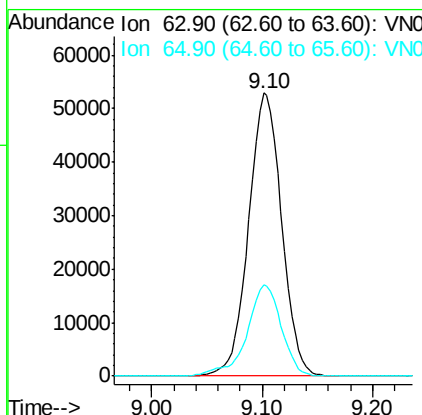
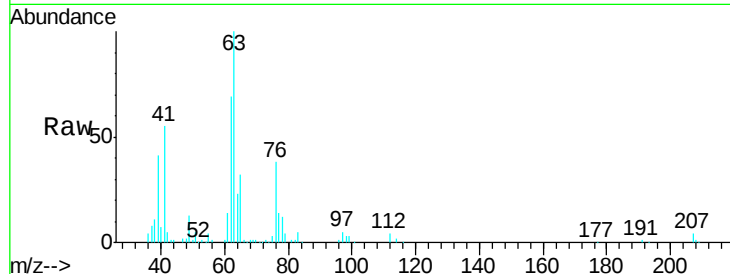
#45
 1,2-Dichloropropane
 Concen: 19.956 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tgt Ion: 63 Resp: 109902
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6

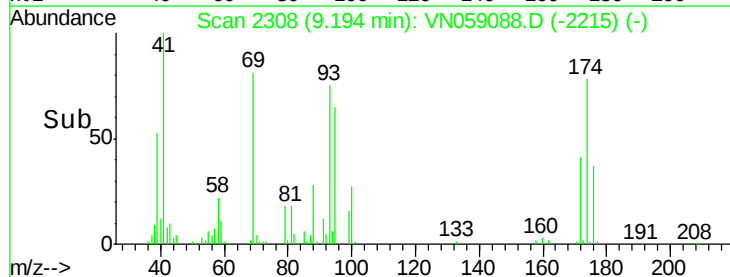
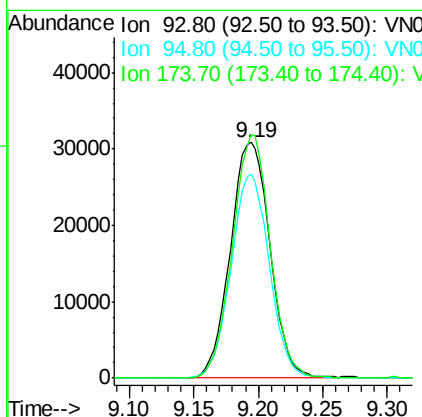
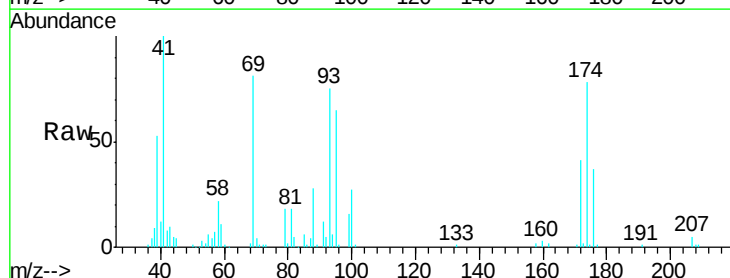
Manual Integrations
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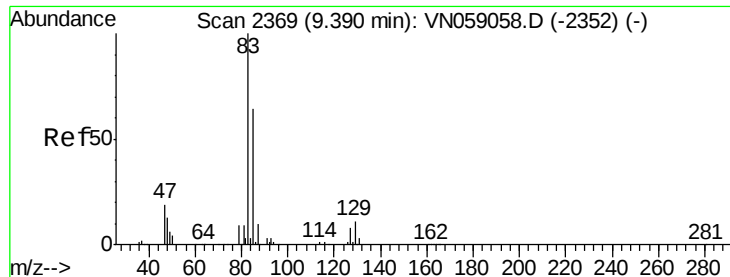
MMDadoda
 11/6/2019 1:56:20 PM



#46
 Dibromomethane
 Concen: 19.392 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion: 93 Resp: 66004
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.2 100.8
 174 98.3 78.3 117.5





#47

Bromodichloromethane

Concen: 19.751 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

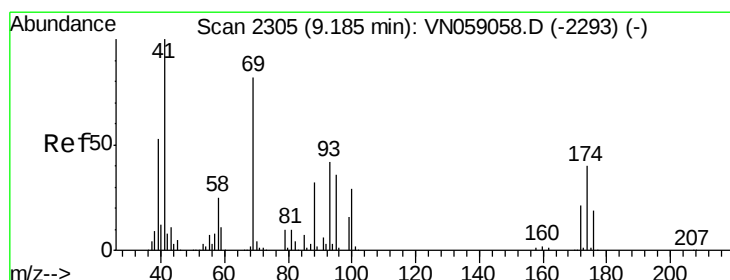
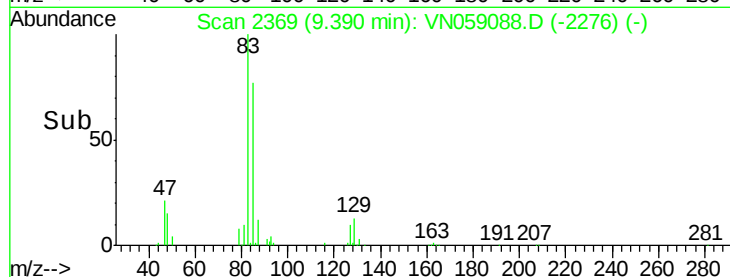
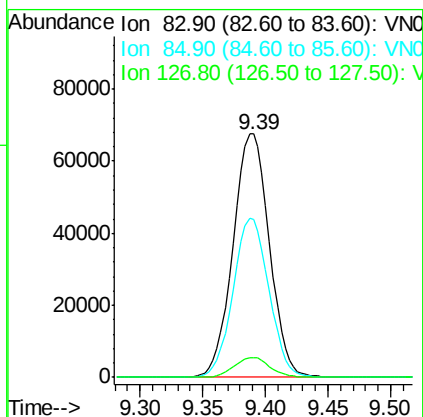
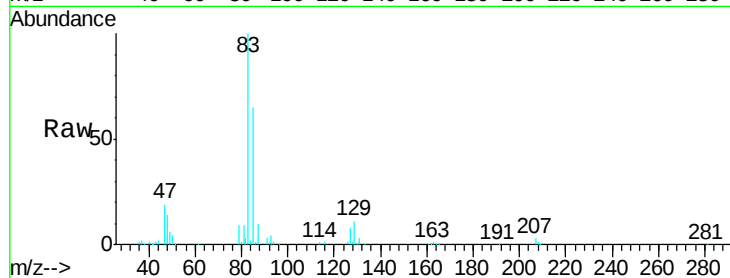
ClientSampleId :

VN1105WBS01

Tgt Ion:	83	Resp:	136146
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.2	76.8
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.555 ug/l

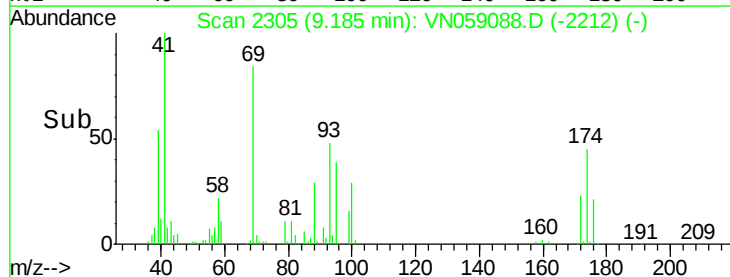
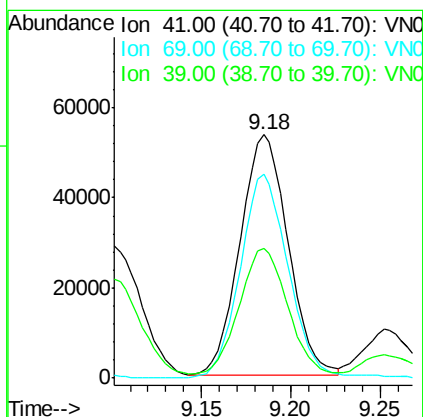
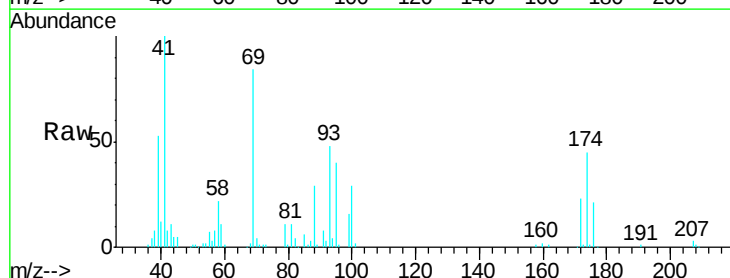
RT: 9.18 min Scan# 2305

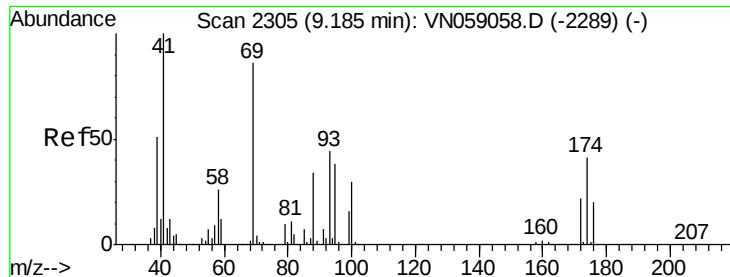
Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	41	Resp:	100870
Ion	Ratio	Lower	Upper
41	100		
69	84.1	67.1	100.7
39	55.2	43.3	64.9





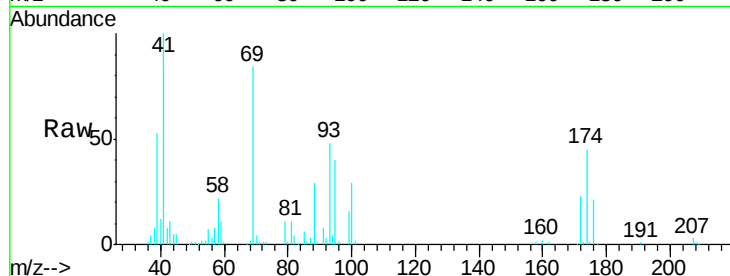
#49
1,4-Dioxane
Concen: 372.783 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.2	39.2
58	73.6	59.1	88.7

Manual Integrations
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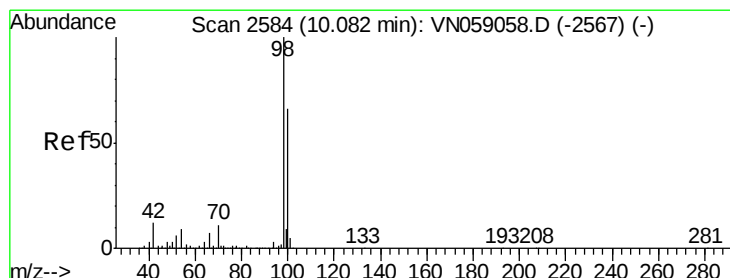
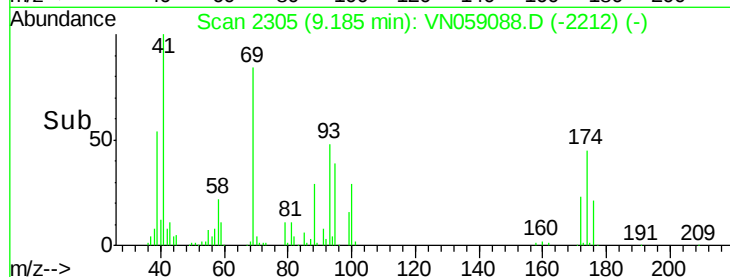
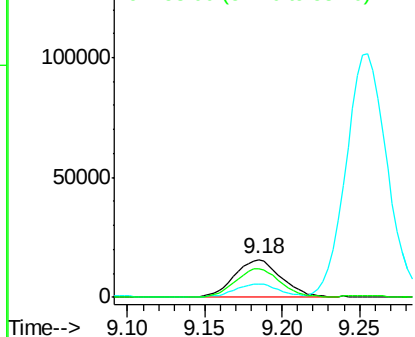
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Abundance Ion 88.00 (87.70 to 88.70): VN059088.D (-2289) (-)

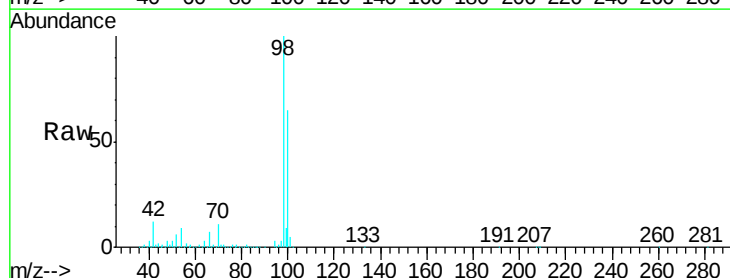
Ion 43.00 (42.70 to 43.70): VN059088.D (-2289) (-)

Ion 58.00 (57.70 to 58.70): VN059088.D (-2289) (-)



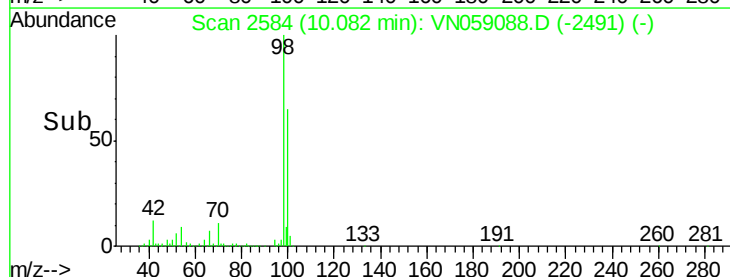
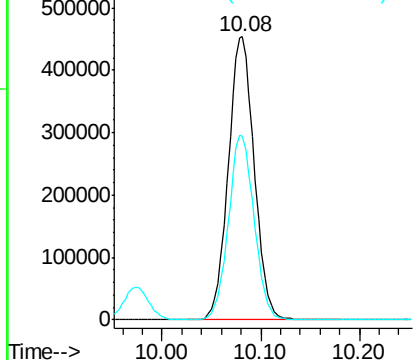
#50
Toluene-d8
Concen: 48.085 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

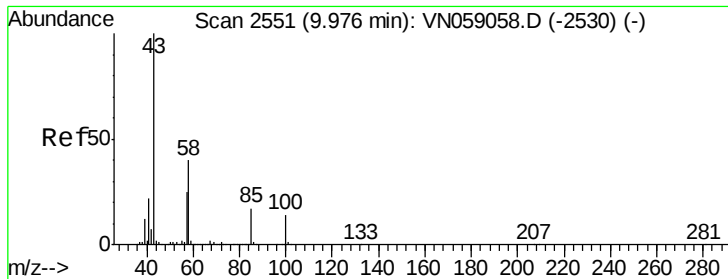
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN059088.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059088.D (-2567) (-)





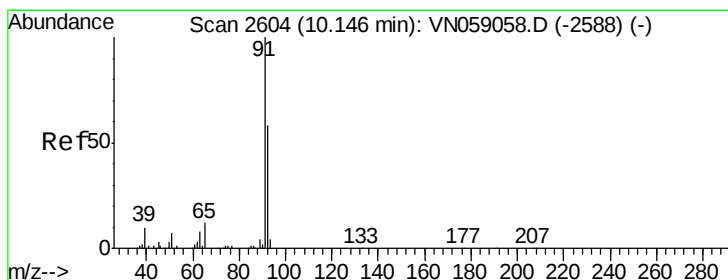
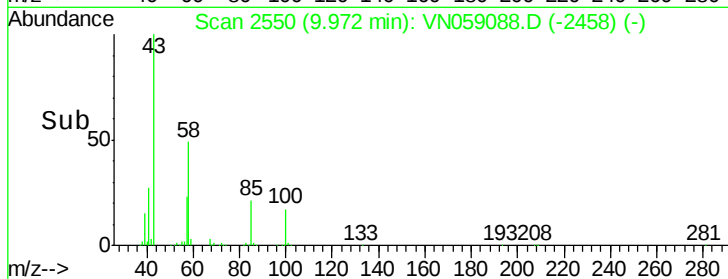
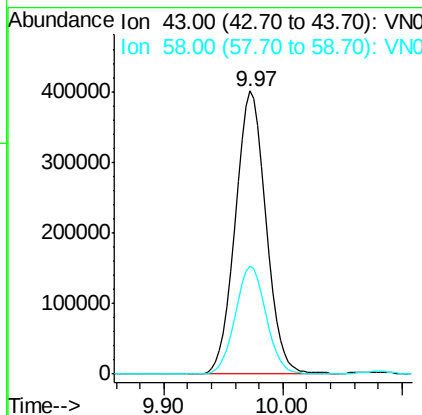
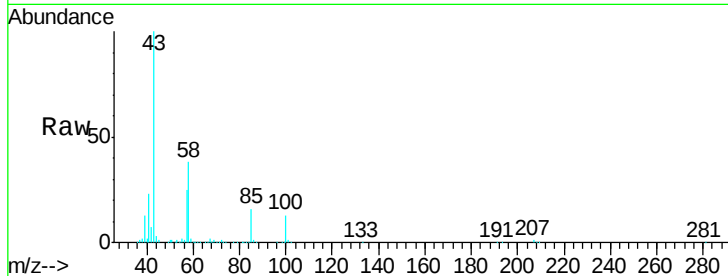
#51
 4-Methyl-2-Pentanone
 Concen: 103.319 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.8	47.6

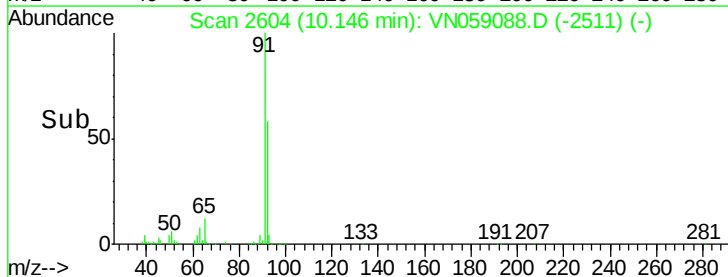
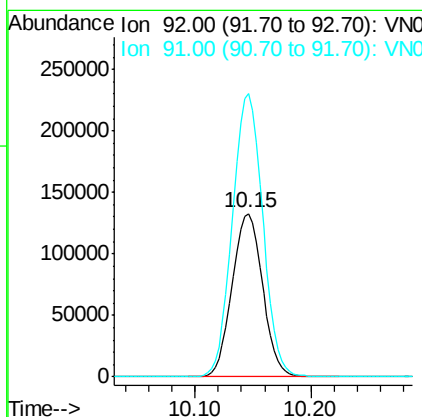
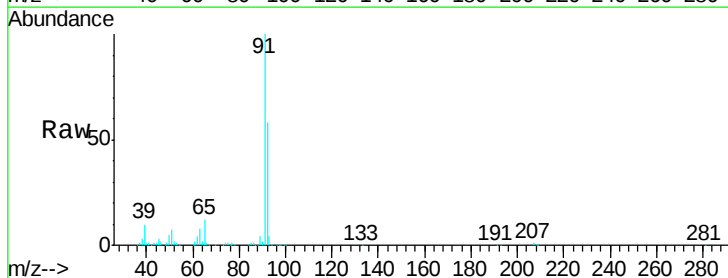
Manual Integrations
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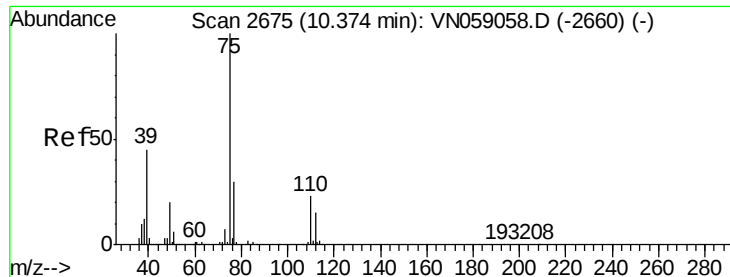
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#52
 Toluene
 Concen: 20.293 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.7	208.1





#53

t-1,3-Dichloropropene

Concen: 19.149 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 75 Resp: 152631

Ion Ratio Lower Upper

75 100

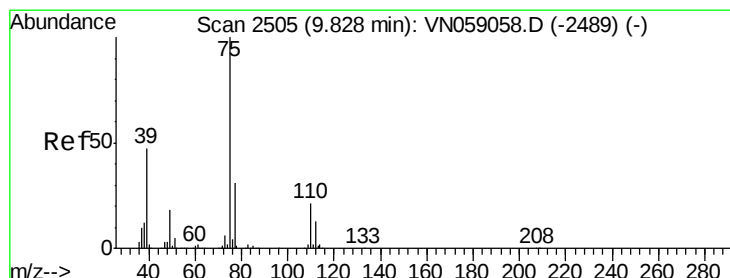
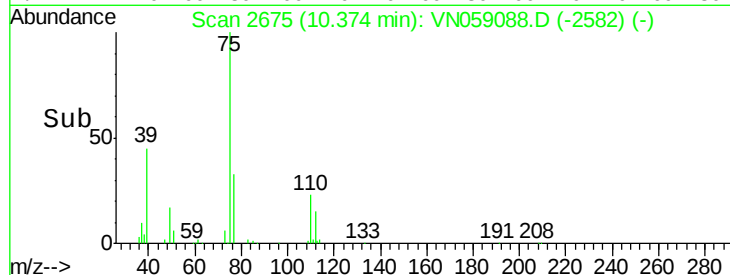
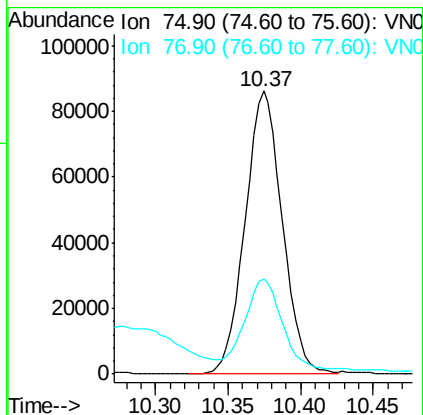
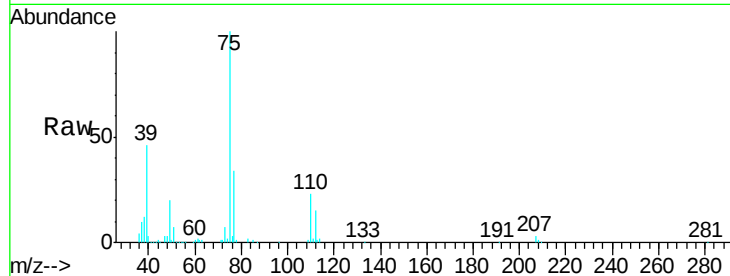
77 31.9 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.830 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

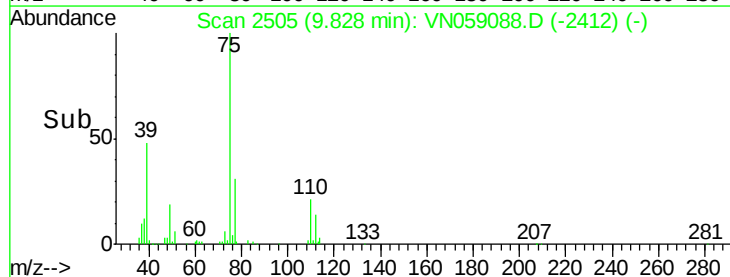
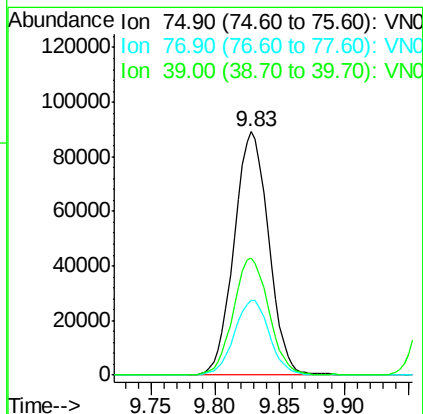
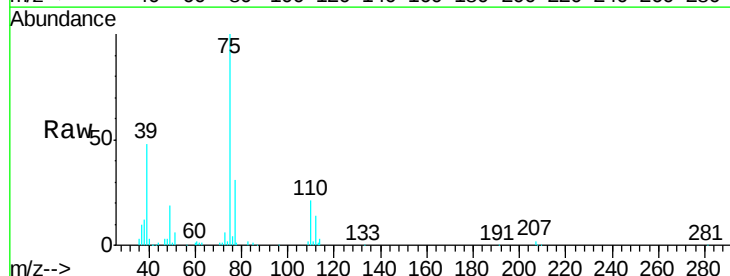
Tgt Ion: 75 Resp: 166720

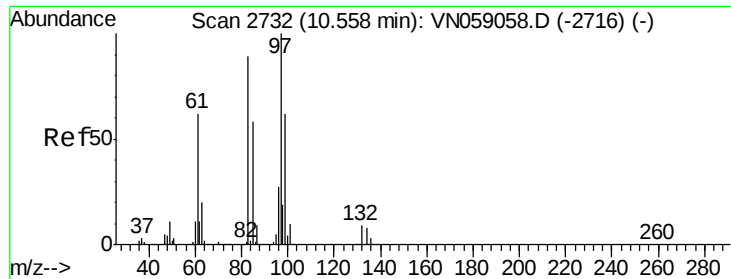
Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0

39 48.3 37.4 56.2





#55

1,1,2-Trichloroethane

Concen: 19.895 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

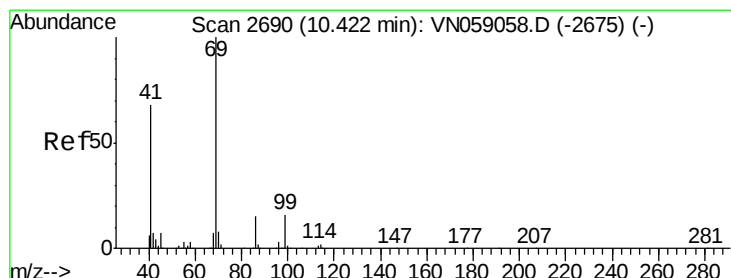
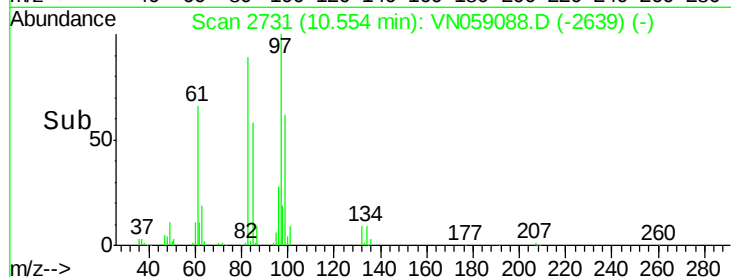
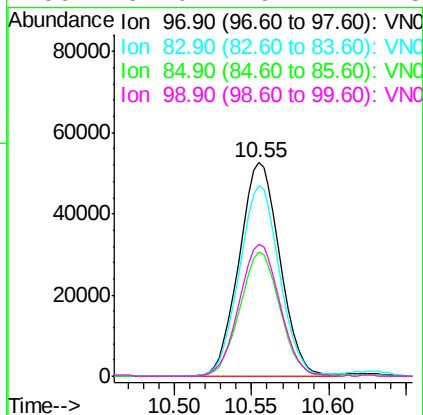
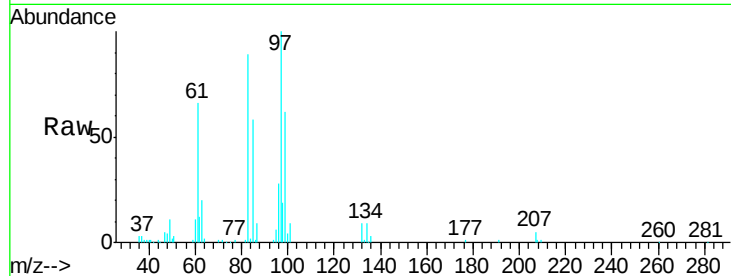
ClientSampleId :

VN1105WBS01

Tgt Ion:	97	Resp:	96698
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.4	107.2
85	58.3	46.6	70.0
99	62.0	49.7	74.5

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#56

Ethyl methacrylate

Concen: 18.343 ug/l

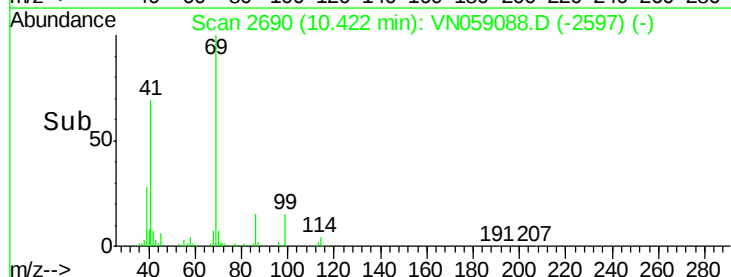
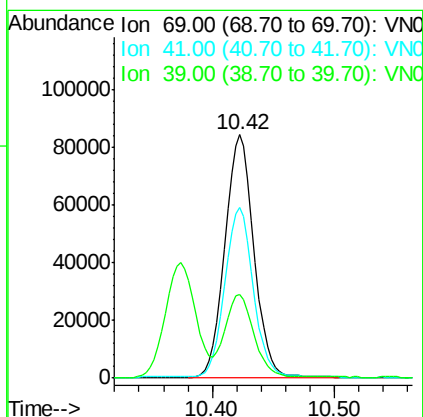
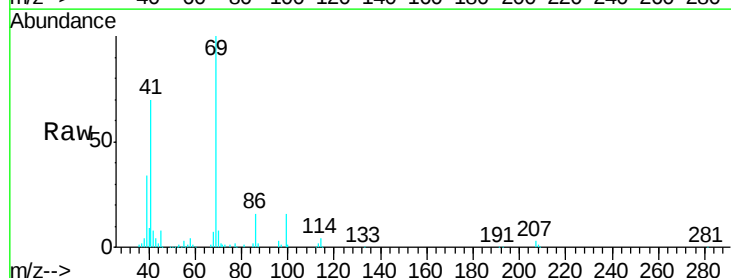
RT: 10.42 min Scan# 2690

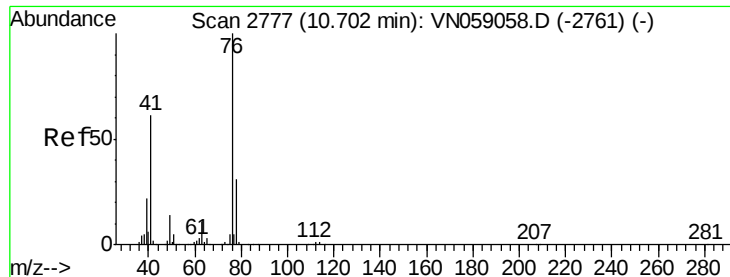
Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	69	Resp:	141221
Ion	Ratio	Lower	Upper
69	100		
41	67.9	53.8	80.8
39	33.6	26.2	39.2





#57

1,3-Dichloropropane

Concen: 20.114 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 76 Resp: 170020

Ion Ratio Lower Upper

76 100

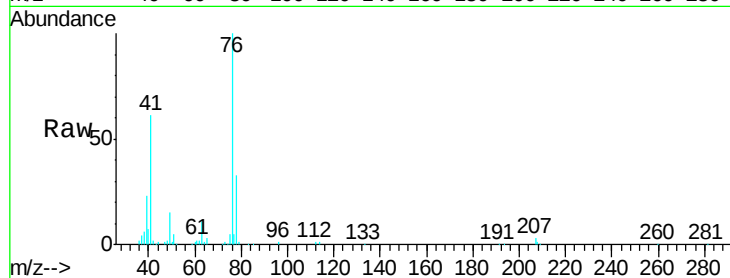
78 31.6 25.8 38.6

Manual Integrations

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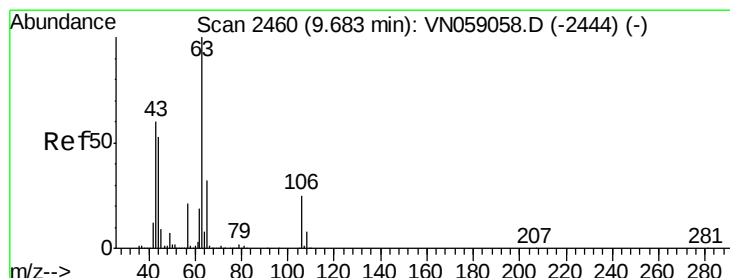
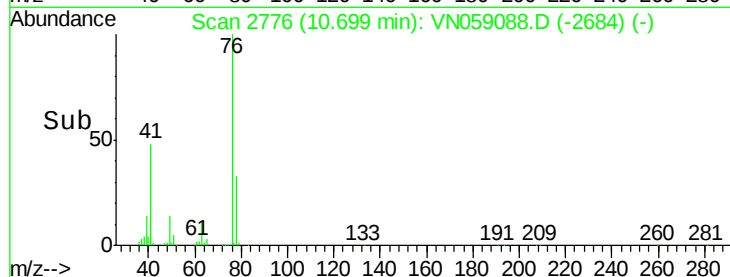
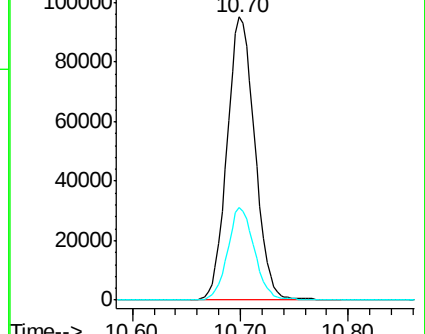
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.954 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059088.D

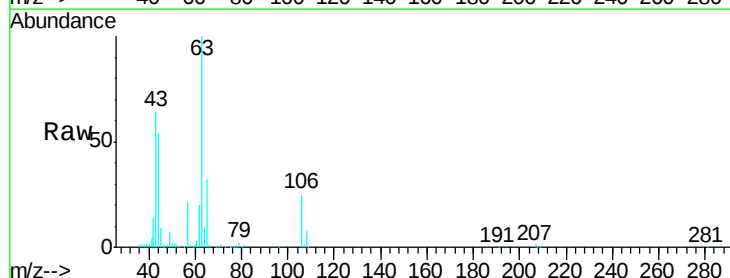
Acq: 5 Nov 2019 13:37

Tgt Ion: 63 Resp: 290045

Ion Ratio Lower Upper

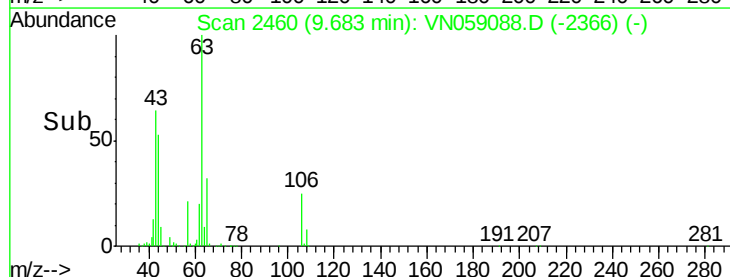
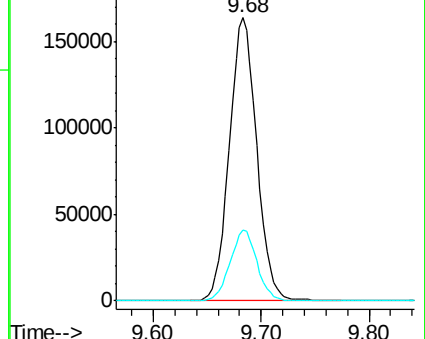
63 100

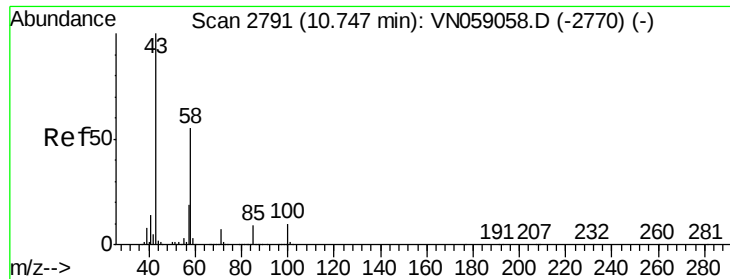
106 24.7 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





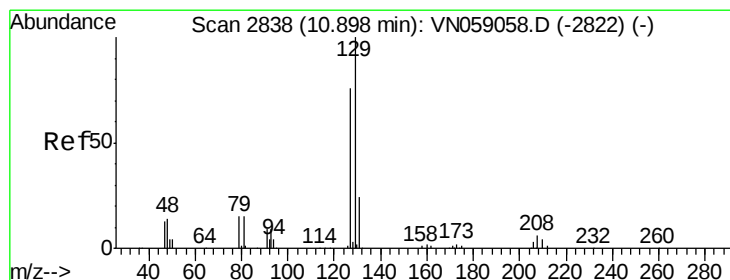
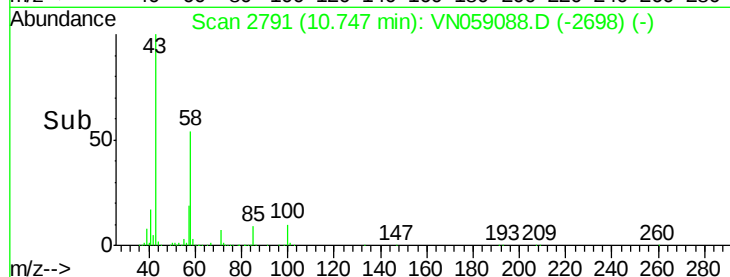
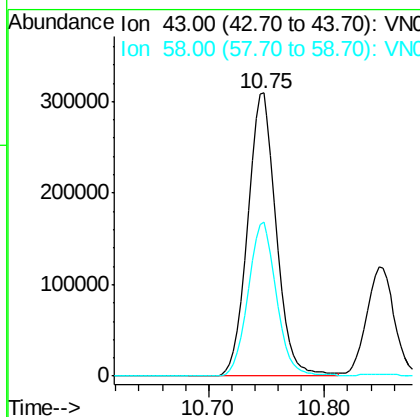
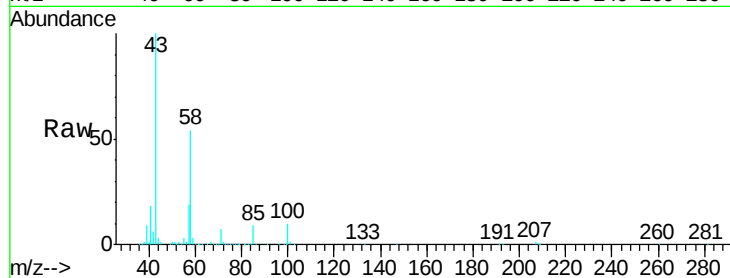
#59
2-Hexanone
Concen: 101.330 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion: 43 Resp: 533161
Ion Ratio Lower Upper
43 100
58 54.0 27.4 82.2

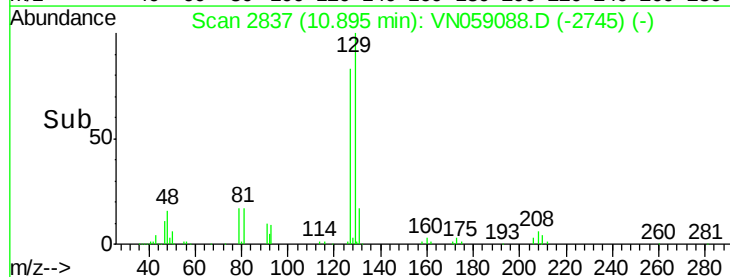
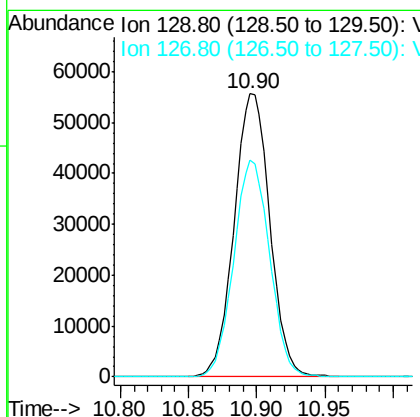
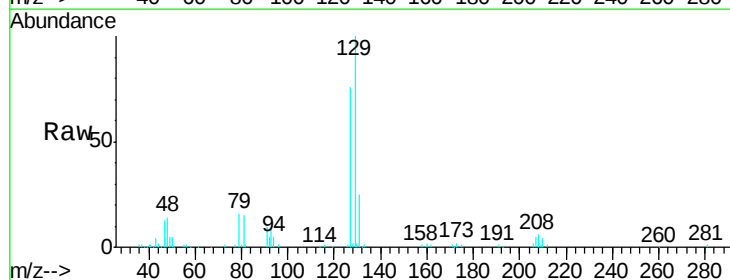
Manual Integrations
APPROVED

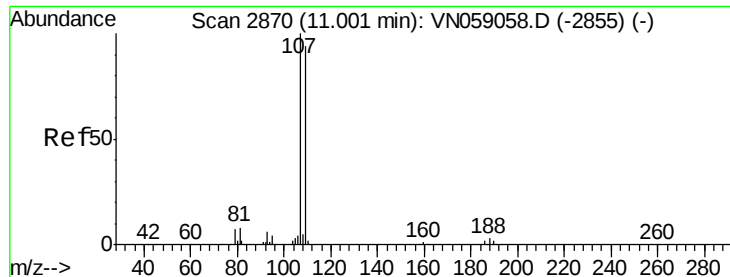
MMDadoda
11/6/2019 1:56:20 PM



#60
Dibromochloromethane
Concen: 19.340 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion: 129 Resp: 101305
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.676 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 107 Resp: 96883

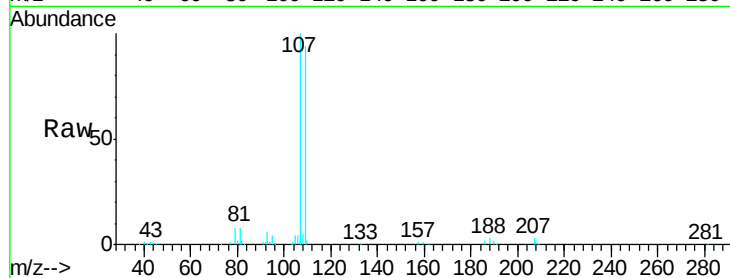
Ion Ratio Lower Upper

107 100

109 94.6 75.5 113.3

Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

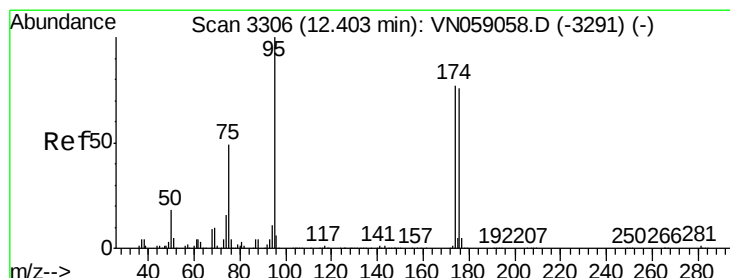
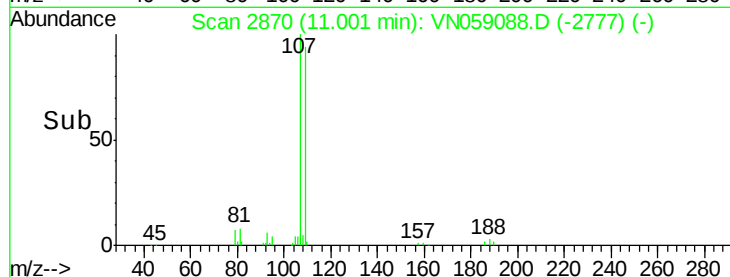
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.052 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

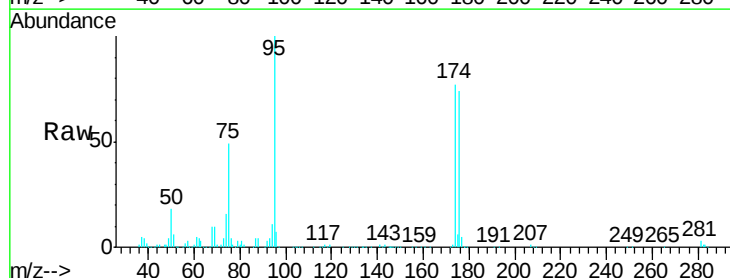
Tgt Ion: 95 Resp: 293289

Ion Ratio Lower Upper

95 100

174 77.9 0.0 155.8

176 75.5 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

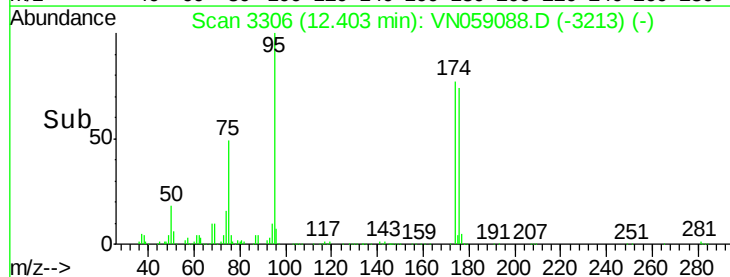
150000

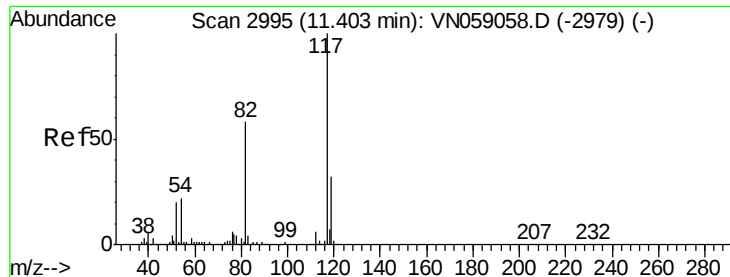
100000

50000

0

Time--> 12.35 12.40 12.45





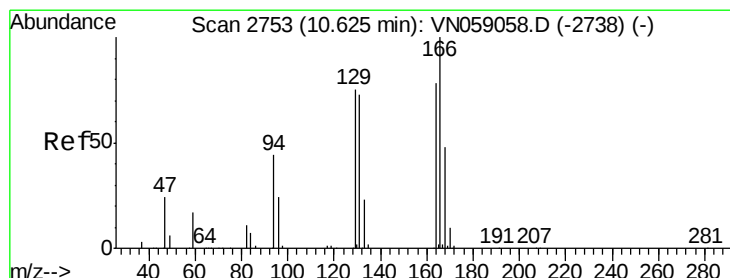
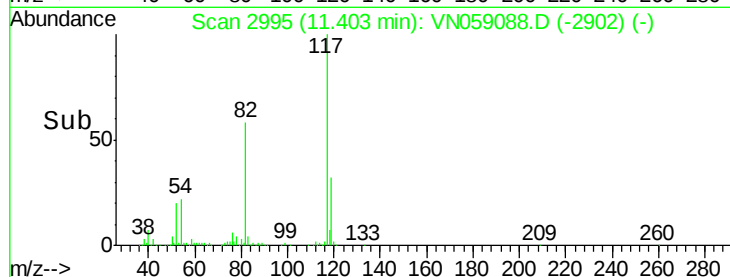
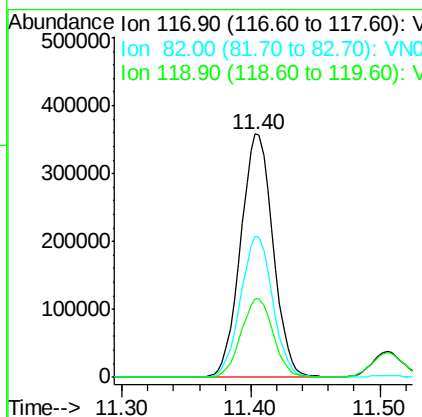
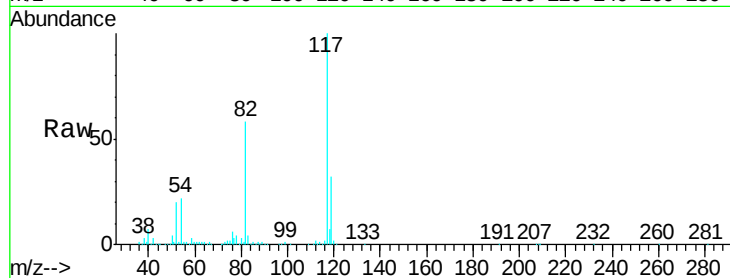
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	628217		
82	58.0	46.0	69.0	
119	32.4	25.6	38.4	

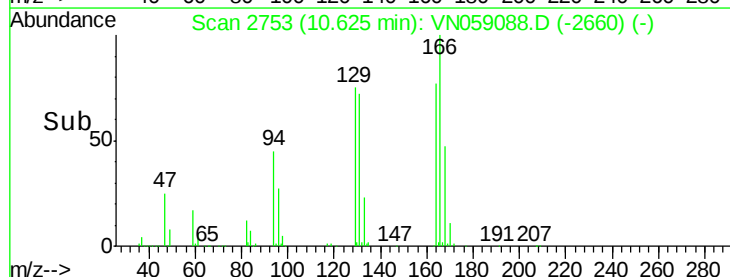
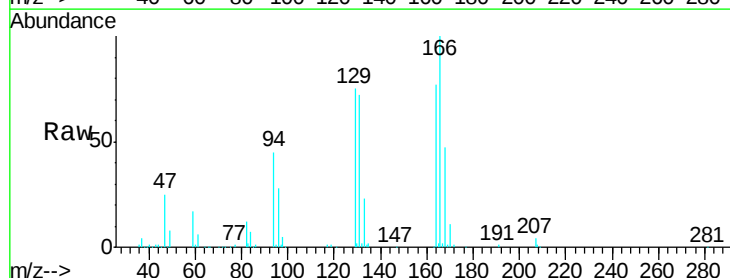
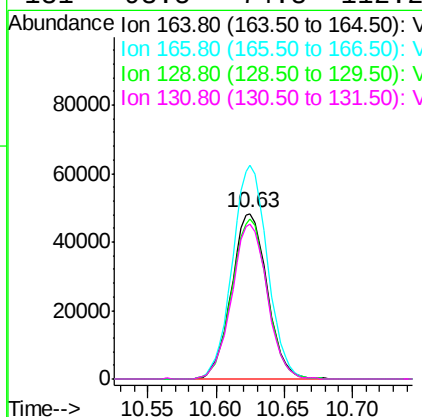
Manual Integrations
APPROVED

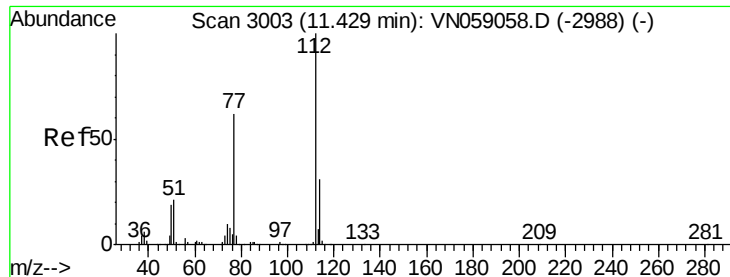
MMDadoda
11/6/2019 1:56:20 PM



#64
Tetrachloroethene
Concen: 19.968 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87627		
166	129.1	102.7	154.1	
129	96.7	77.3	115.9	
131	93.5	74.8	112.2	





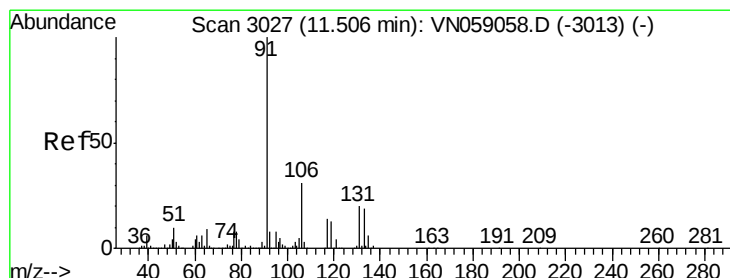
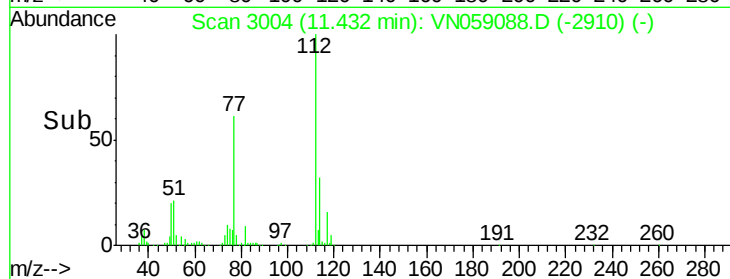
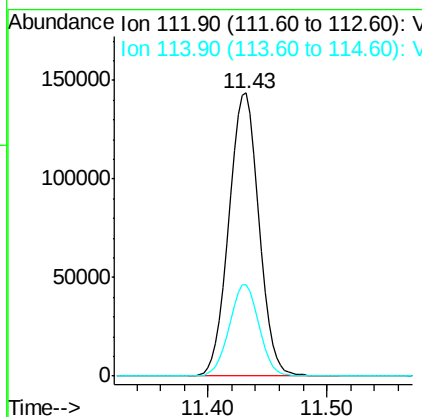
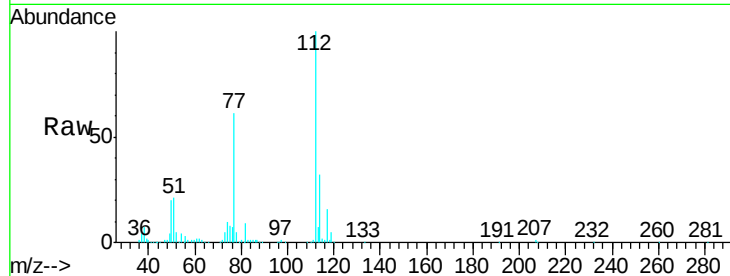
#65
Chlorobenzene
Concen: 19.537 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion:112 Resp: 251897
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6

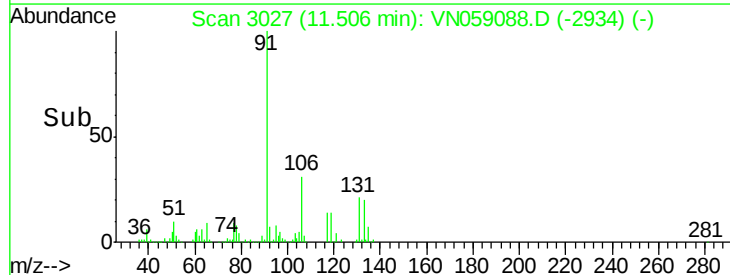
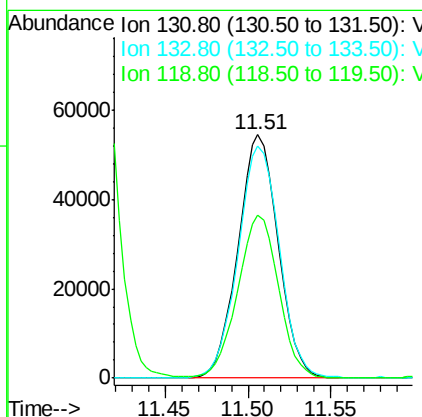
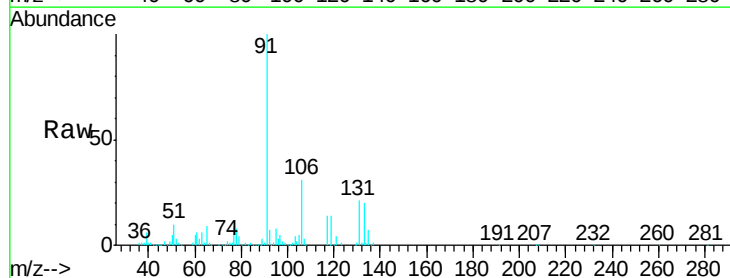
Manual Integrations
APPROVED

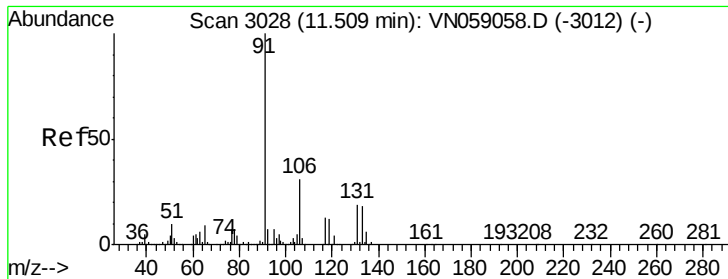
MMDadoda
11/6/2019 1:56:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.397 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion:131 Resp: 92015
Ion Ratio Lower Upper
131 100
133 98.7 47.9 143.6
119 68.2 33.5 100.5





#67

Ethyl Benzene

Concen: 20.095 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 91 Resp: 448529

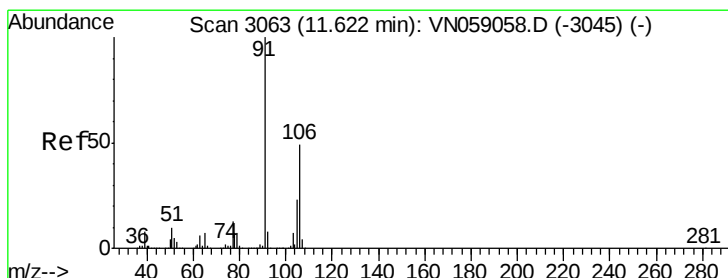
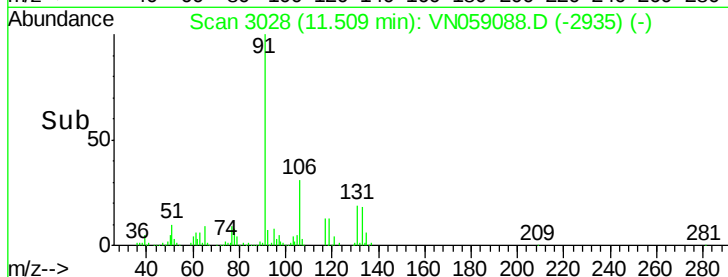
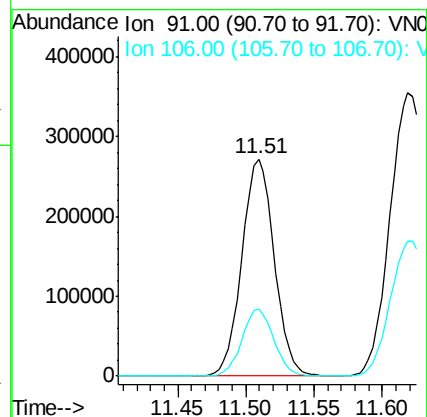
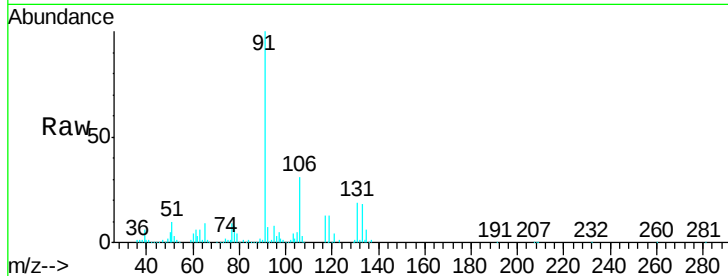
Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8

Manual Integrations
APPROVED

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11/6/2019 1:56:20 PM



#68

m/p-Xylenes

Concen: 39.491 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059088.D

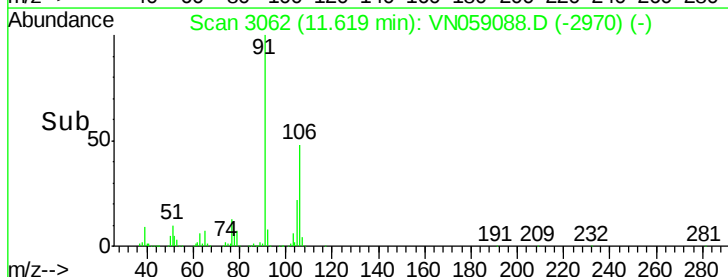
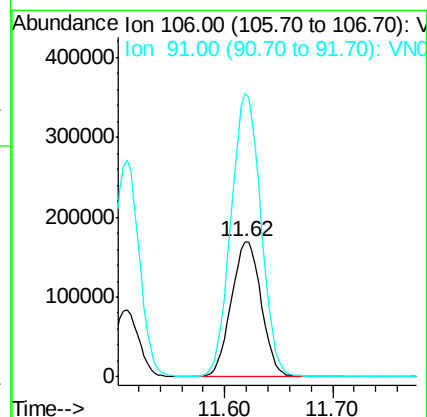
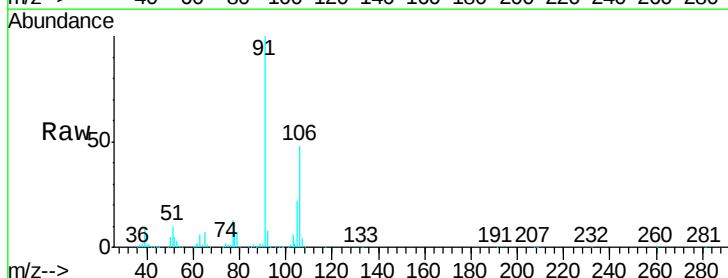
Acq: 5 Nov 2019 13:37

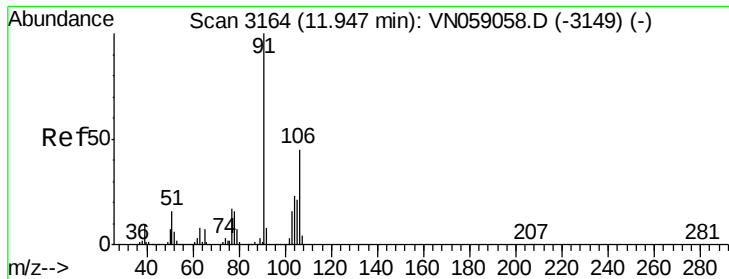
Tgt Ion: 106 Resp: 329140

Ion Ratio Lower Upper

106 100

91 208.8 165.7 248.5





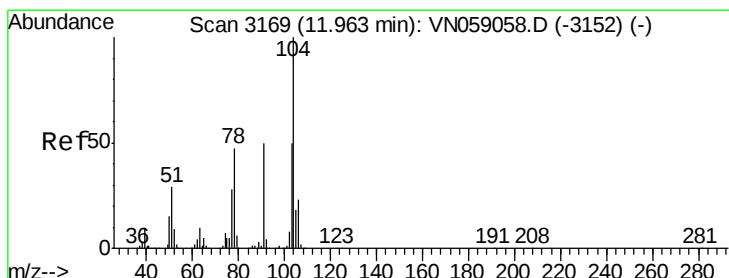
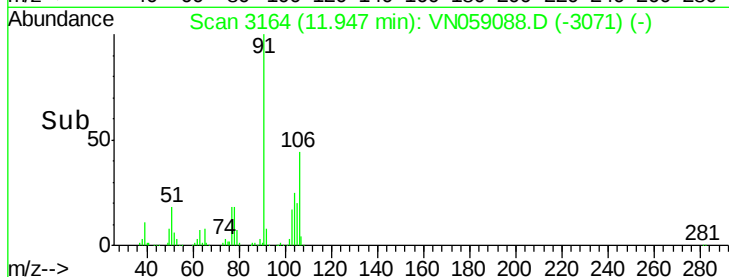
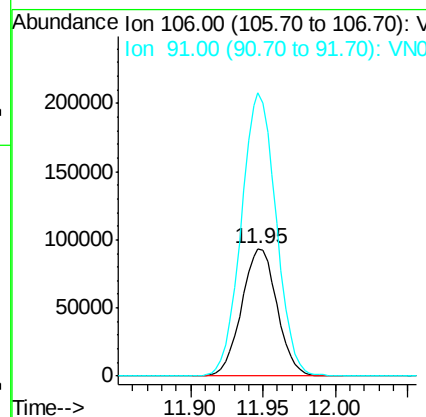
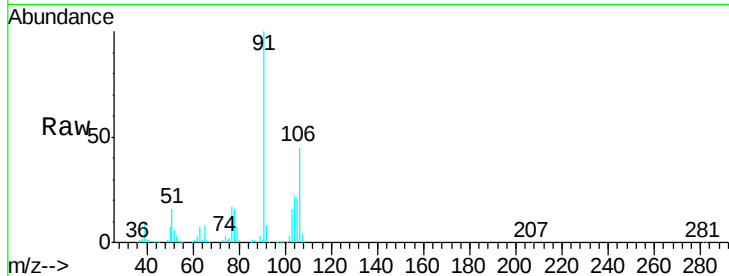
#69
o-Xylene
Concen: 19.880 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion:106 Resp: 158222
Ion Ratio Lower Upper
106 100
91 219.2 110.4 331.2

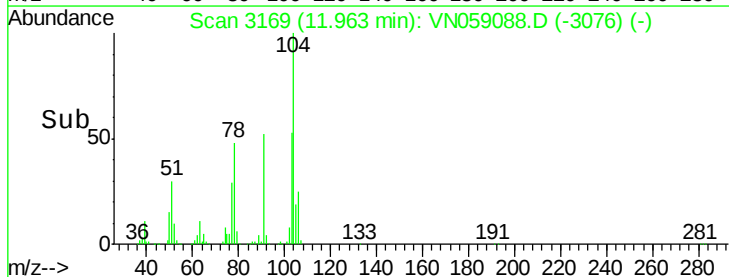
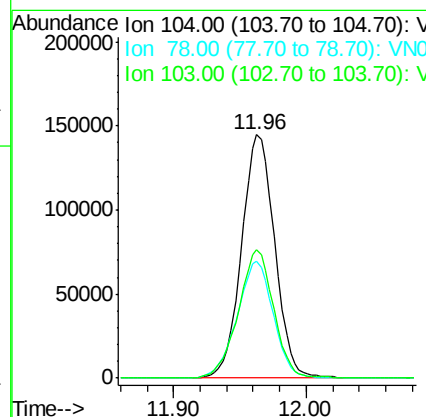
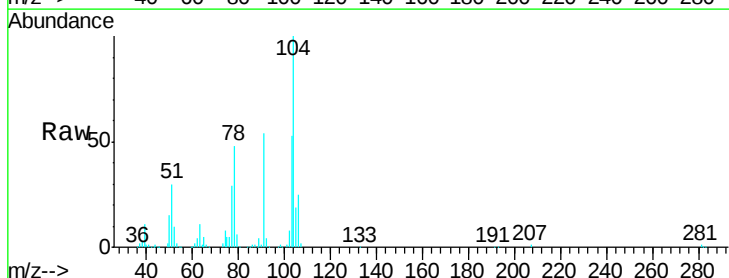
Manual Integrations
APPROVED

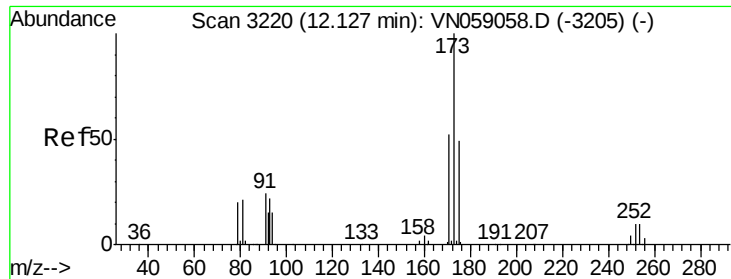
MMDadoda
11/6/2019 1:56:20 PM



#70
Styrene
Concen: 19.499 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion:104 Resp: 251486
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 56.1 43.9 65.9





#71

Bromoform

Concen: 19.070 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

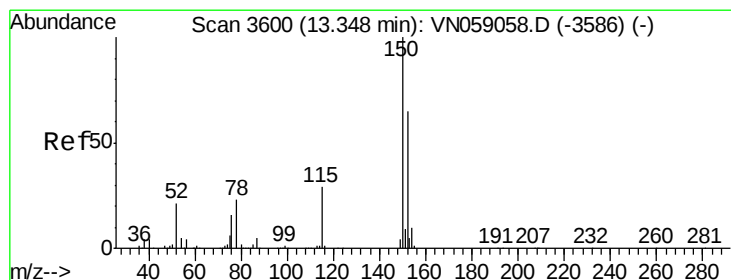
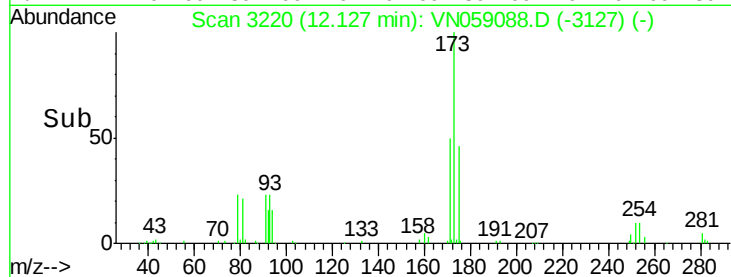
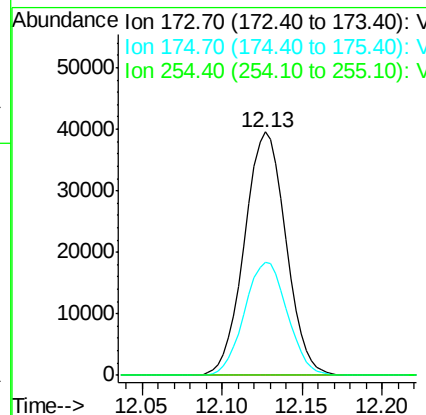
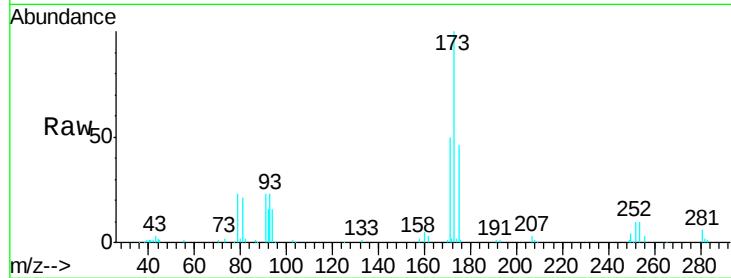
ClientSampleId :

VN1105WBS01

Tgt Ion:	173	Resp:	70021
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

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11/6/2019 1:56:20 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

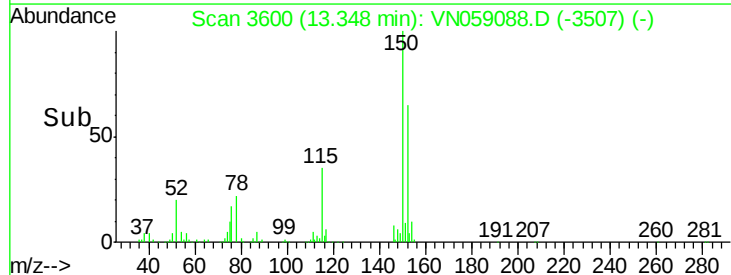
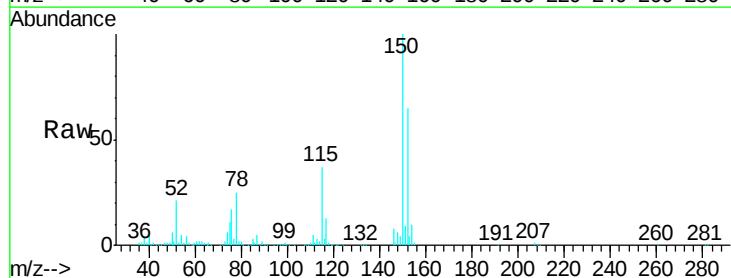
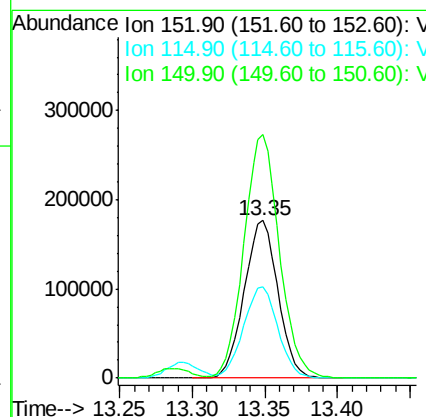
RT: 13.35 min Scan# 3600

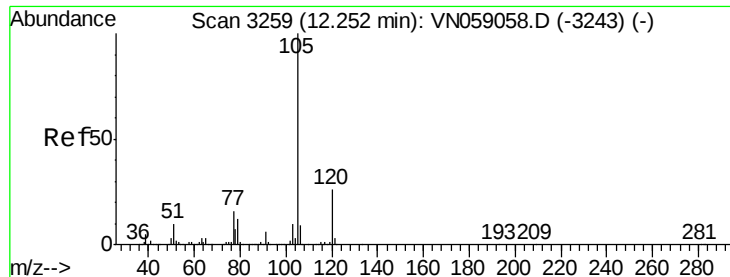
Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	152	Resp:	286045
Ion Ratio	Lower	Upper	
152	100		
115	58.9	29.6	88.9
150	162.2	0.0	345.8





#73

Isopropylbenzene

Concen: 20.340 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN1105WBS01

Tgt Ion: 105 Resp: 428030

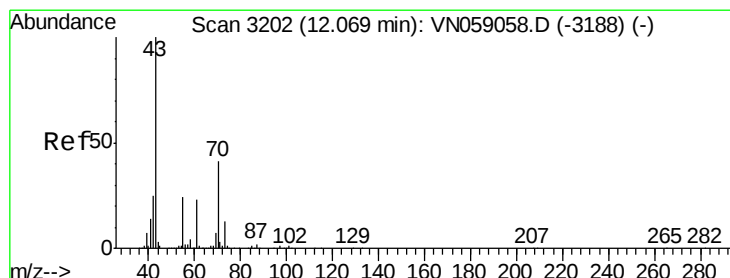
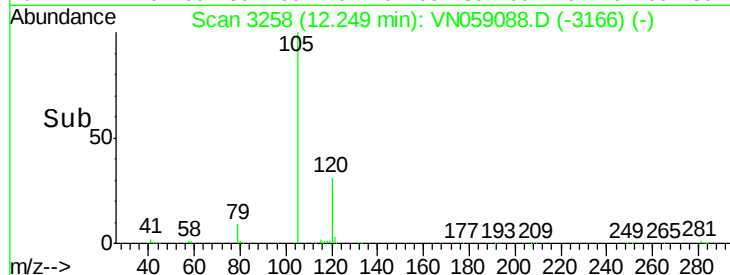
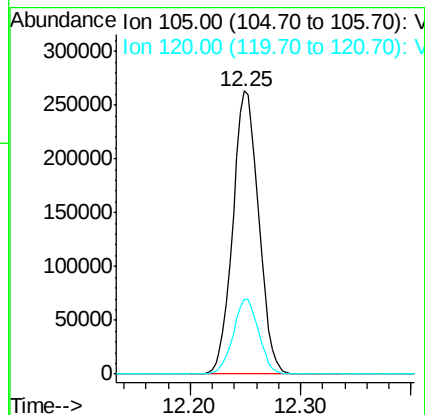
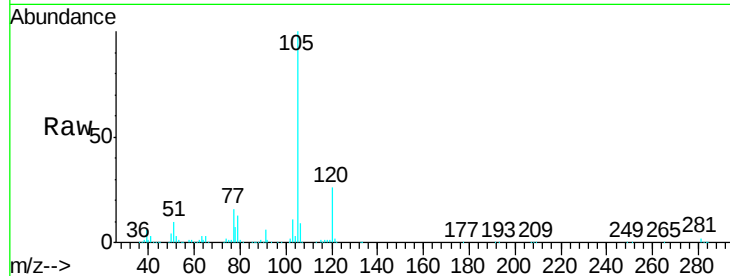
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 18.689 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion: 43 Resp: 174949

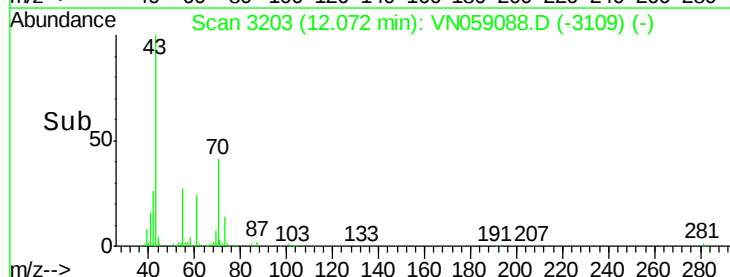
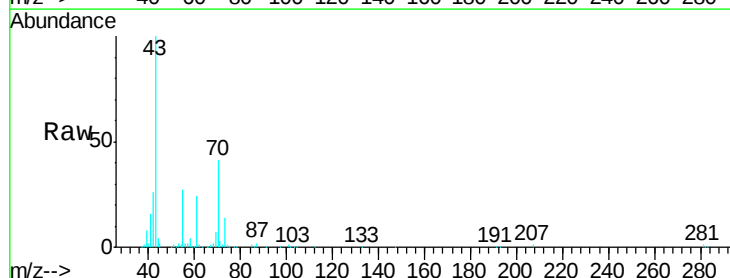
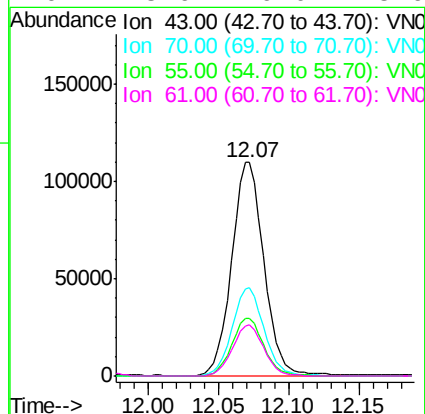
Ion Ratio Lower Upper

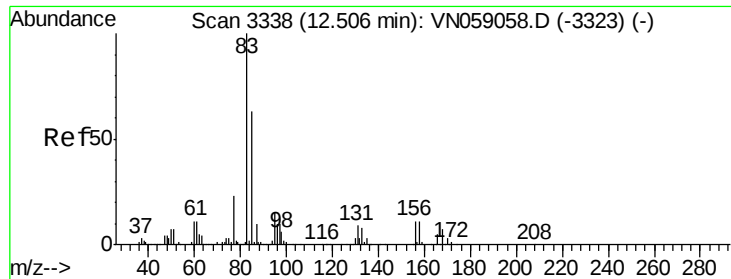
43 100

70 41.1 32.6 49.0

55 27.1 19.7 29.5

61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.183 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

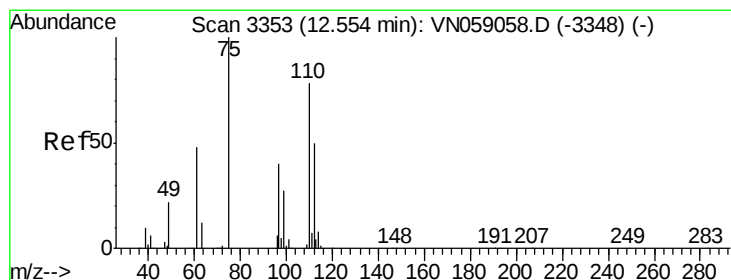
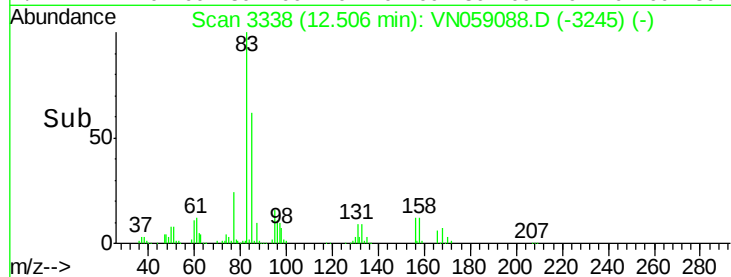
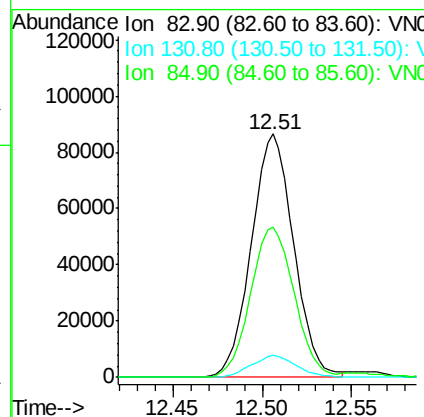
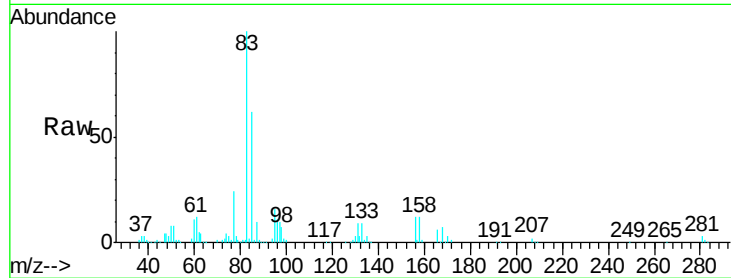
ClientSampleId :

VN1105WBS01

Tgt Ion:	83	Resp:	143795
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	63.6	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 19.618 ug/l m

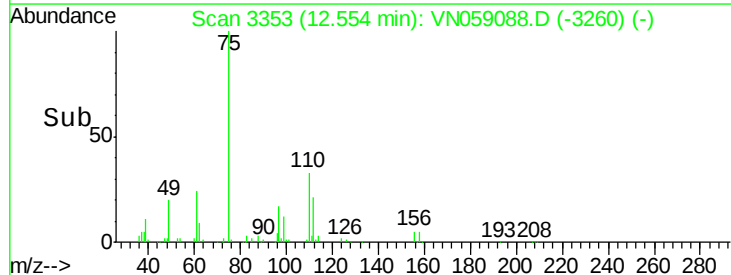
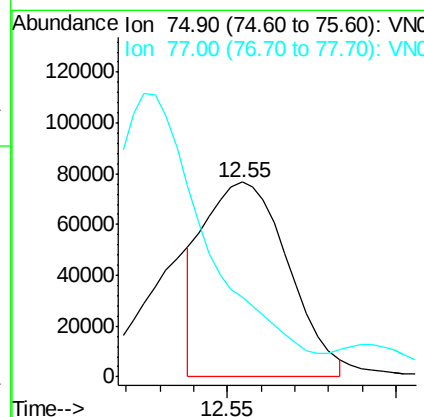
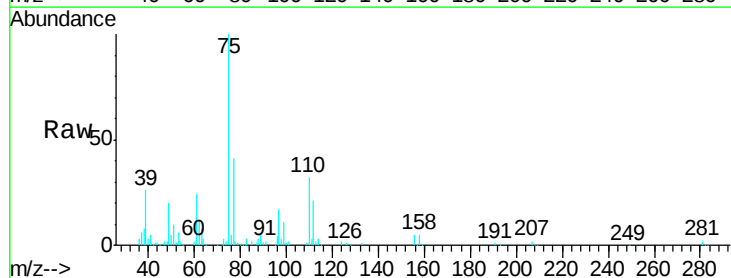
RT: 12.55 min Scan# 3353

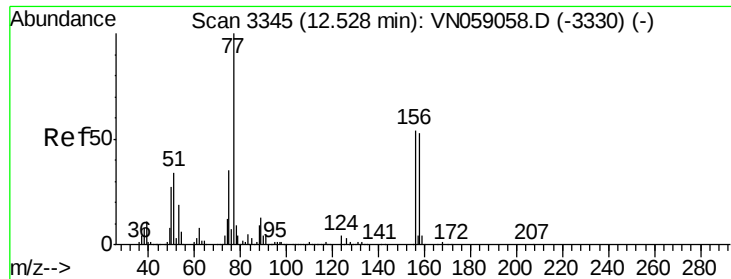
Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	75	Resp:	132793
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.413 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

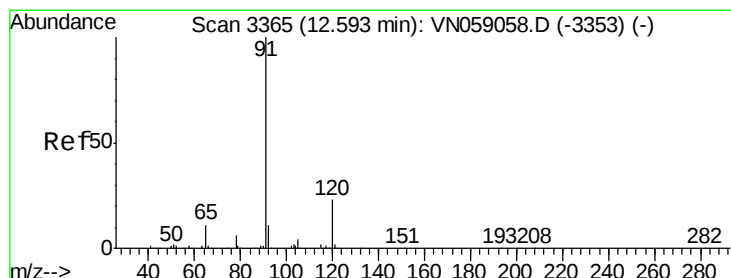
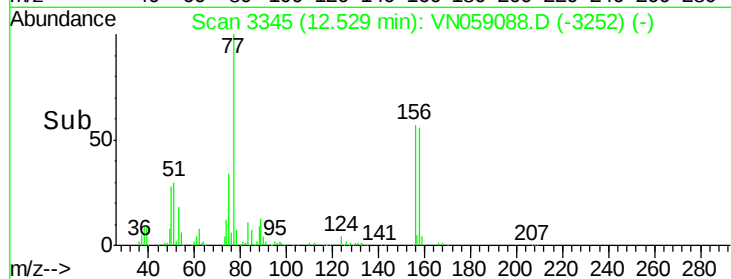
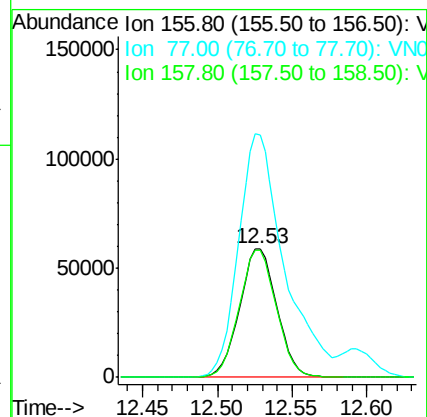
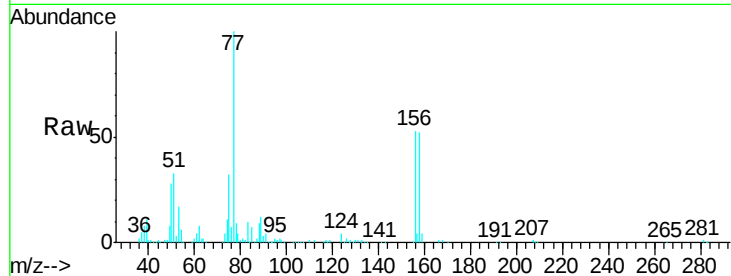
ClientSampleId :

VN1105WBS01

Tgt Ion:	156	Resp:	102146
Ion Ratio	Lower	Upper	
156	100		
77	231.6	114.2	342.6
158	98.7	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.610 ug/l

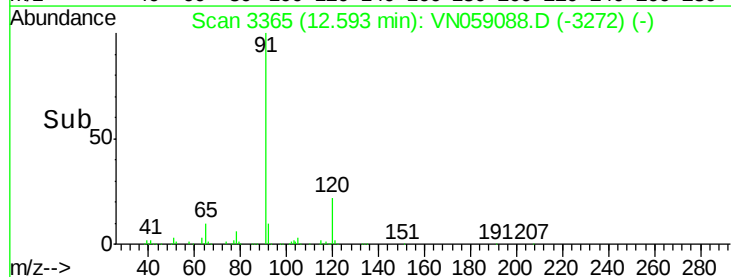
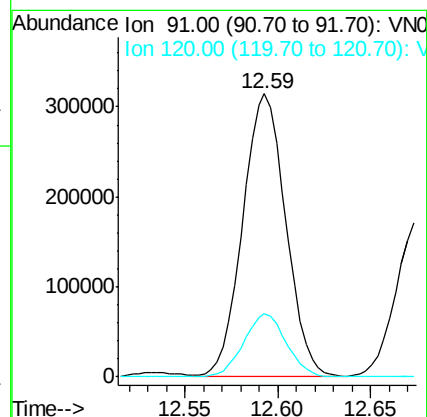
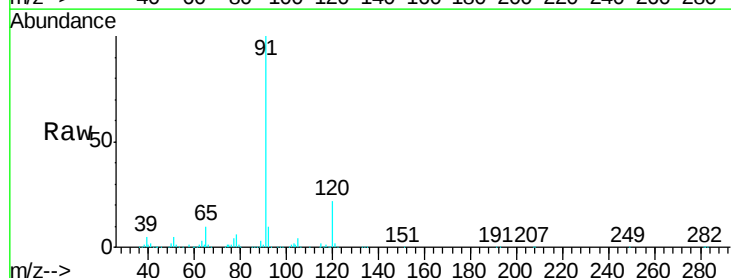
RT: 12.59 min Scan# 3365

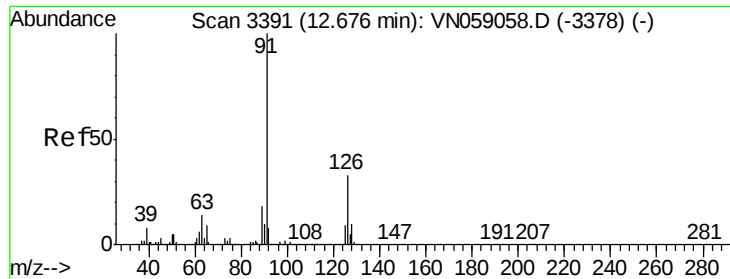
Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	91	Resp:	502306
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.5





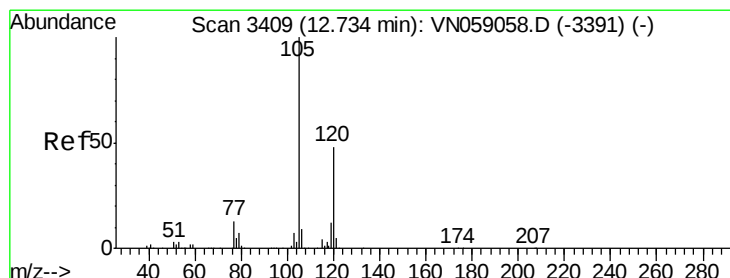
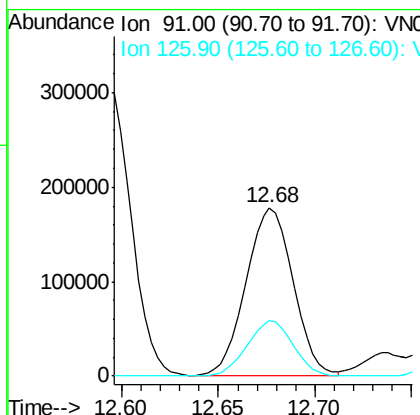
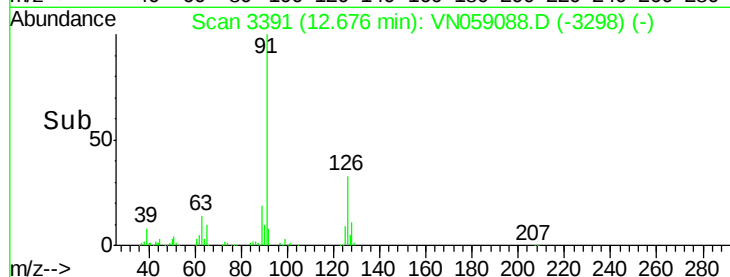
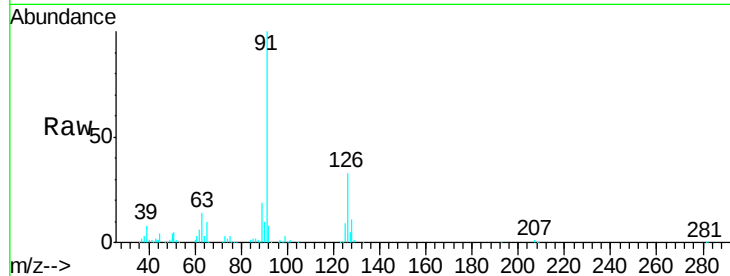
#79
 2-Chlorotoluene
 Concen: 19.822 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tgt Ion: 91 Resp: 299986
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.3 48.8

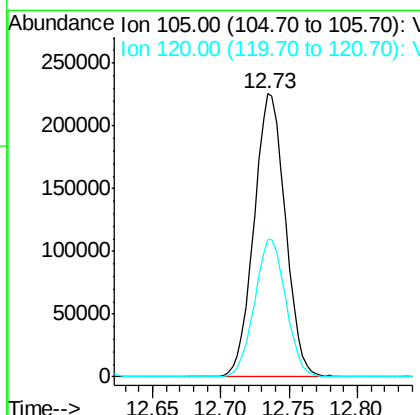
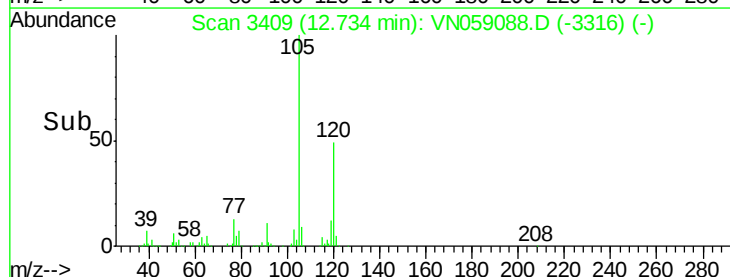
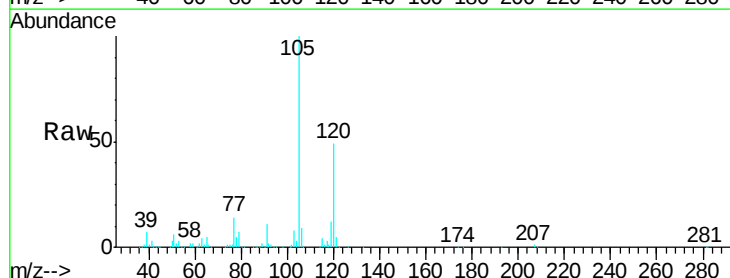
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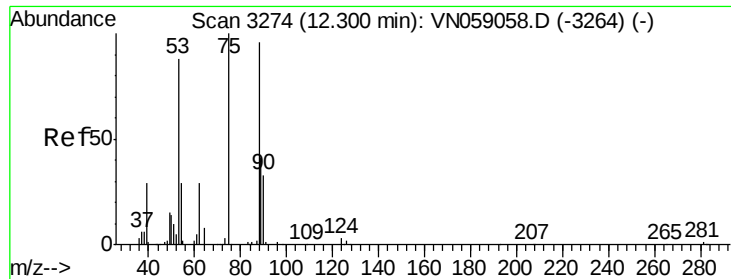
MMDadoda
 11/6/2019 1:56:20 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.067 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion: 105 Resp: 358892
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.2 72.6





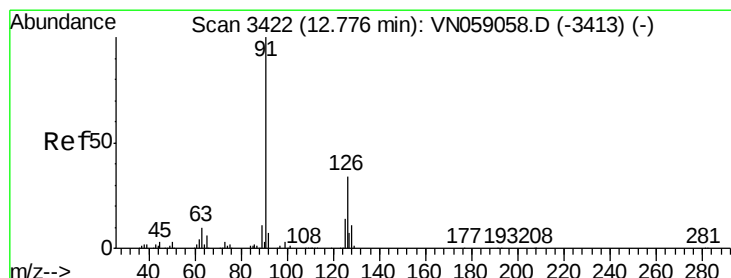
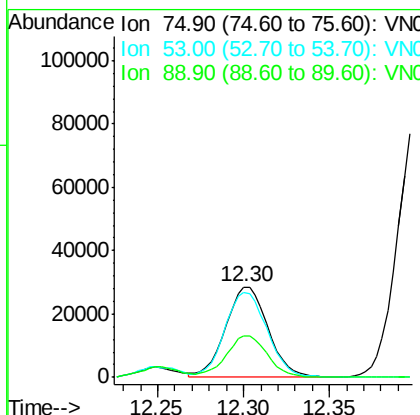
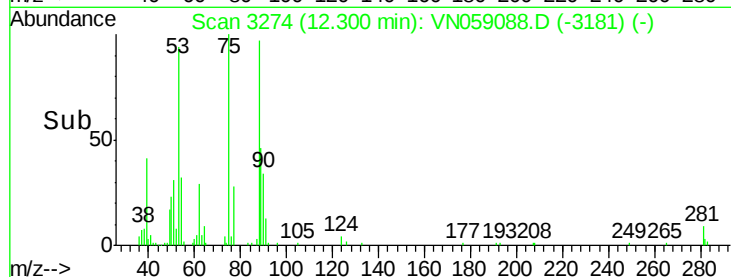
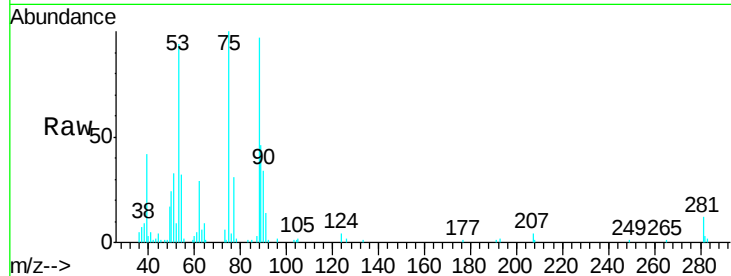
#81
trans-1,4-Dichloro-2-butene
Concen: 18.479 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	95.2	70.4	105.6
89	45.3	34.2	51.2

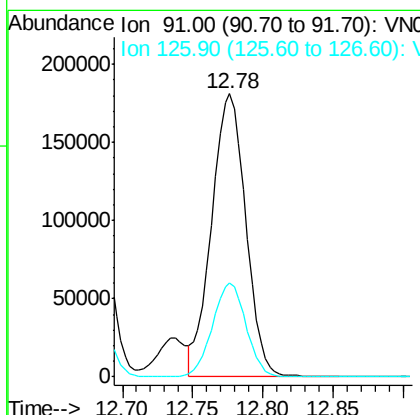
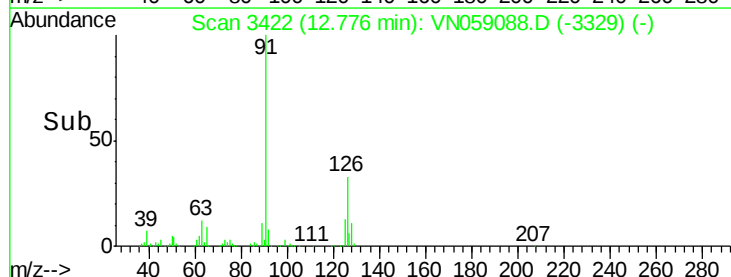
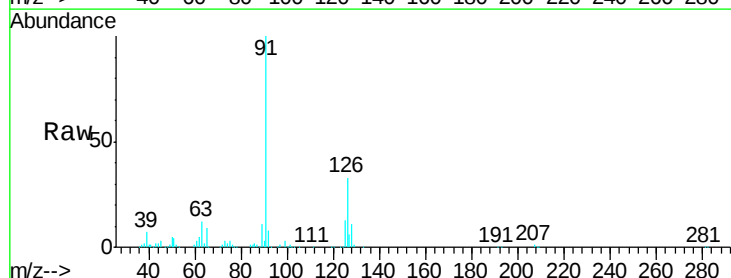
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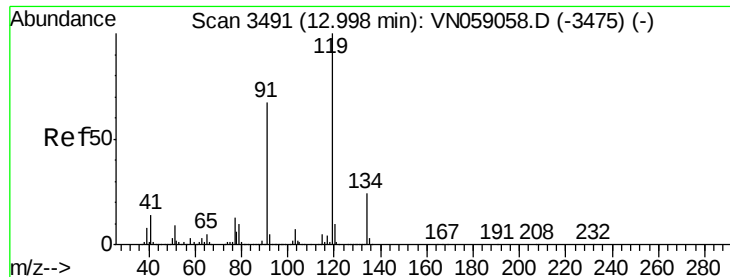
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.600 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.0	47.9





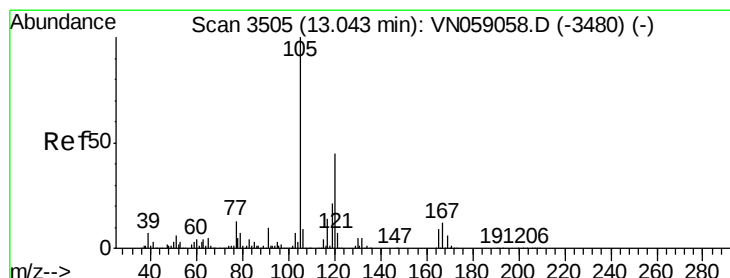
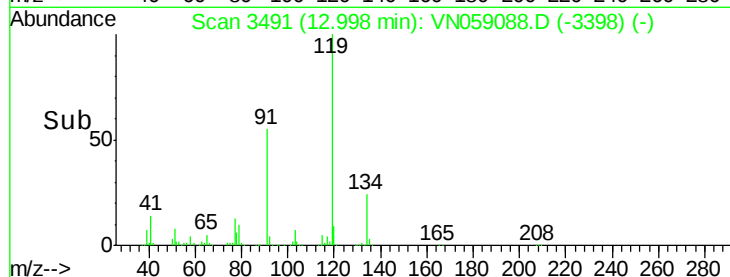
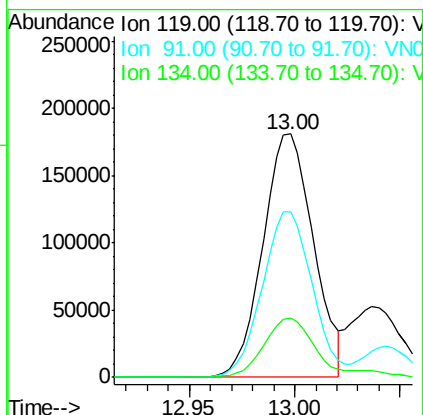
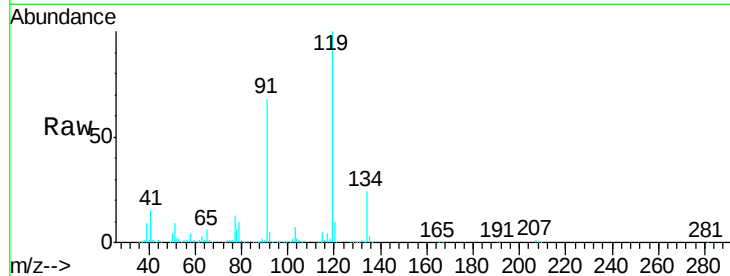
#83
 tert-Butylbenzene
 Concen: 19.913 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.7	101.0
134	24.1	12.9	38.7

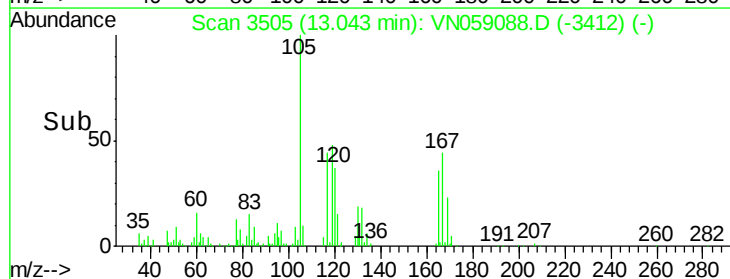
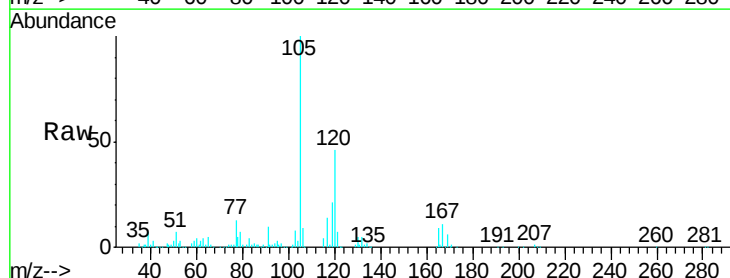
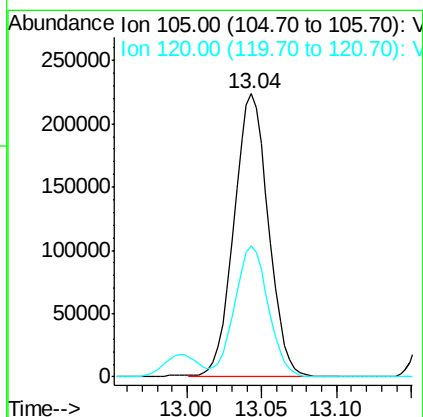
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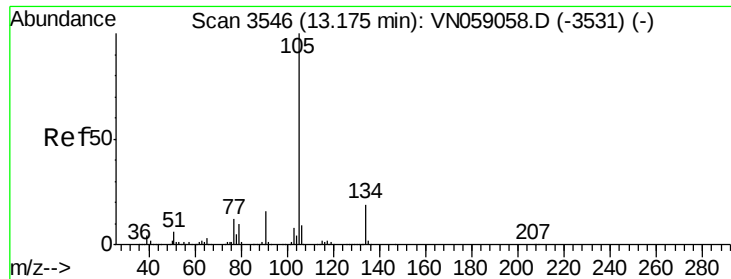
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.529 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.9





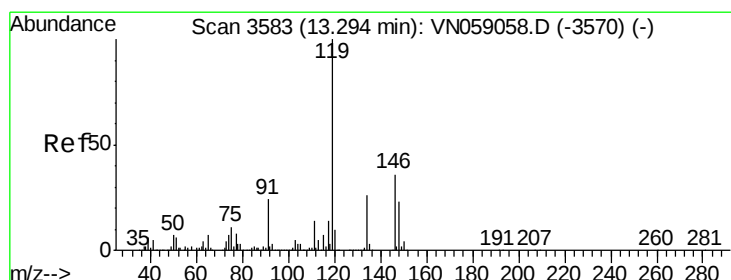
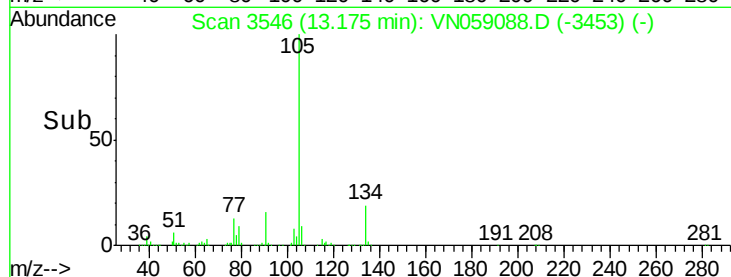
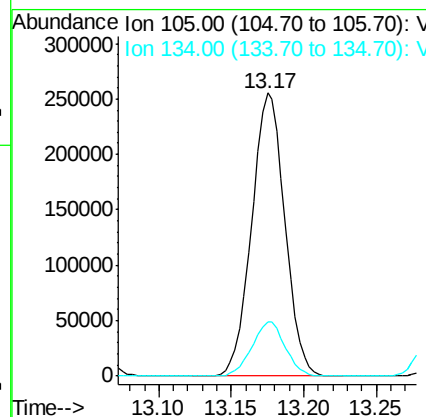
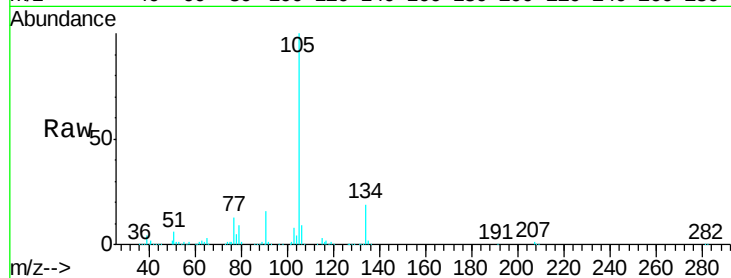
#85
 sec-Butylbenzene
 Concen: 20.353 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	405274		
134	19.3	9.8	29.4	

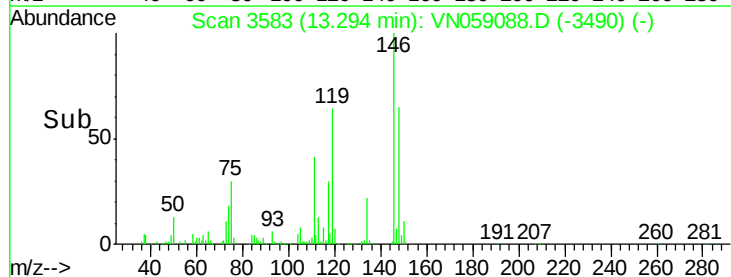
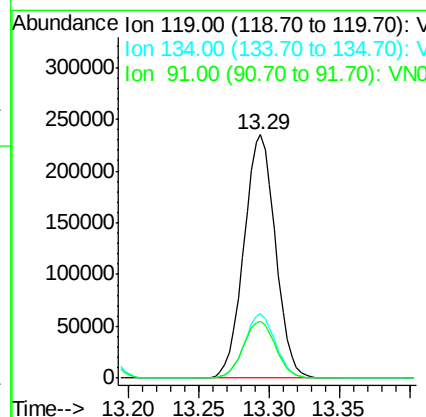
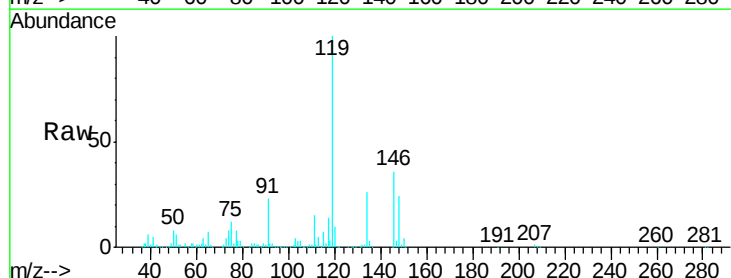
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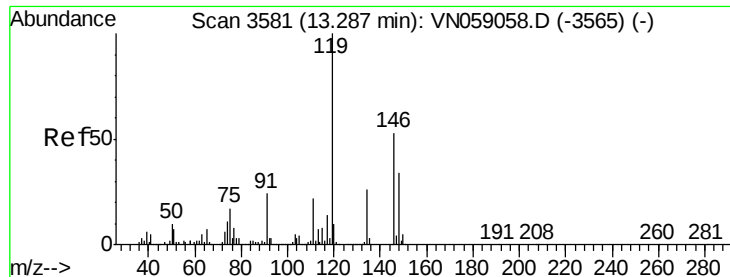
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#86
 p-Isopropyltoluene
 Concen: 20.382 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	365897		
134	26.4	13.0	39.0	
91	23.6	12.0	36.0	





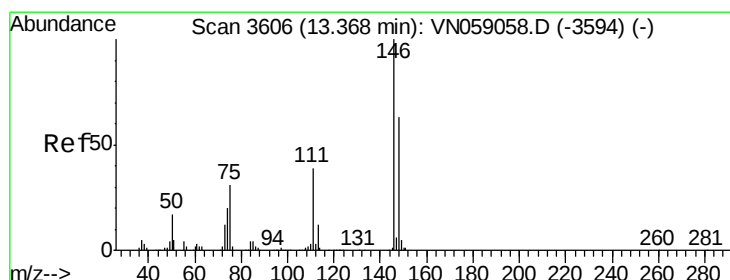
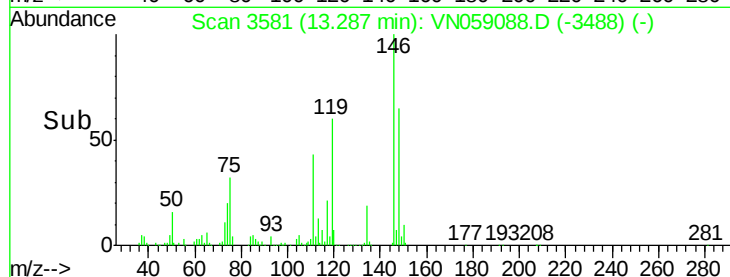
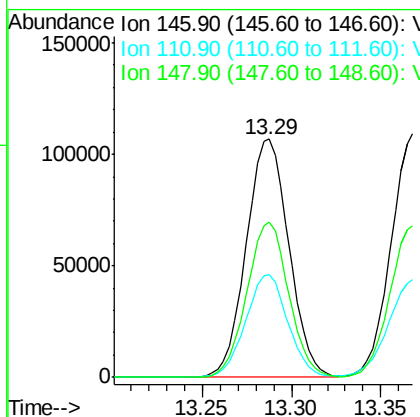
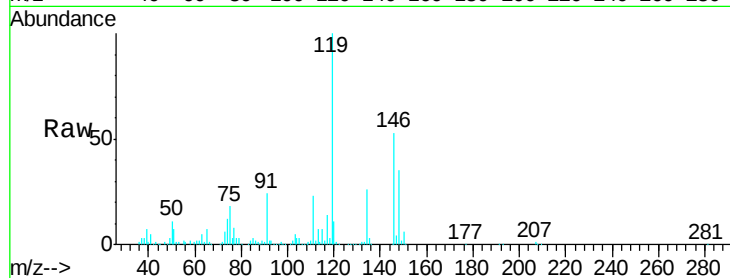
#87
 1,3-Dichlorobenzene
 Concen: 19.081 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	178383		
111	42.7	20.5	61.5	
148	63.9	31.8	95.3	

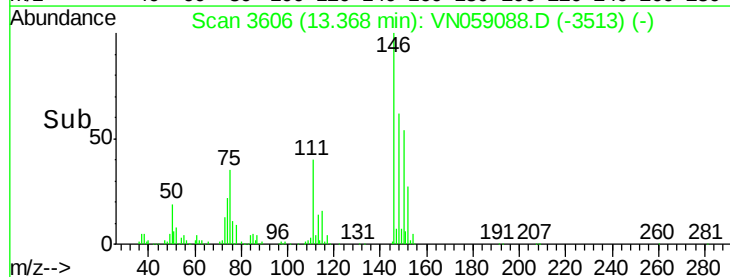
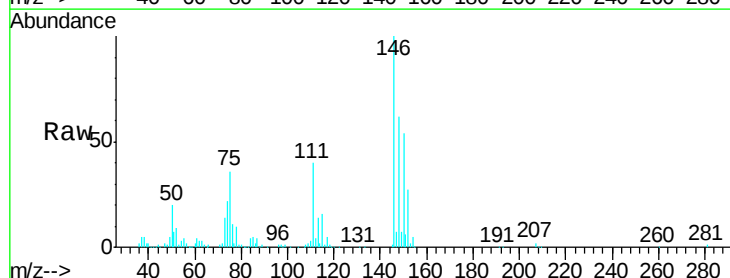
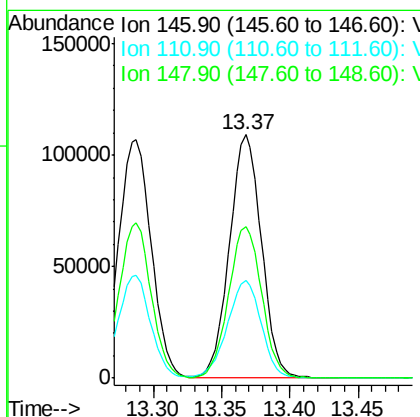
Manual Integrations
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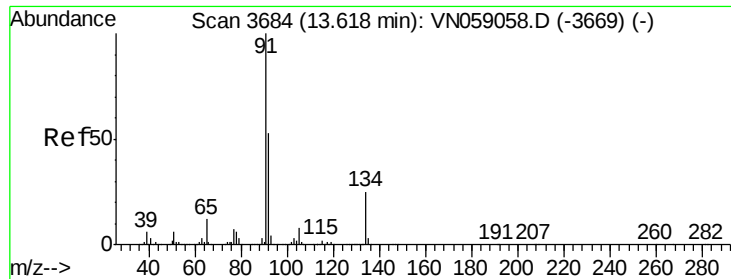
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#88
 1,4-Dichlorobenzene
 Concen: 19.179 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177358		
111	42.7	20.1	60.2	
148	64.8	31.9	95.7	





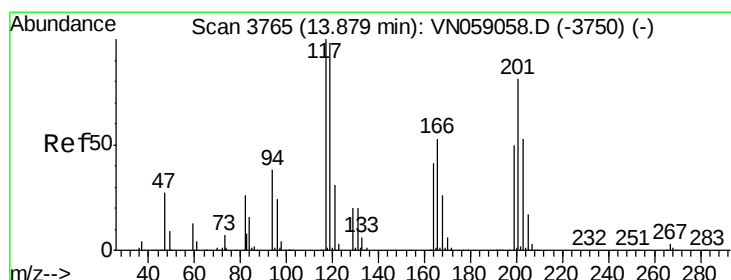
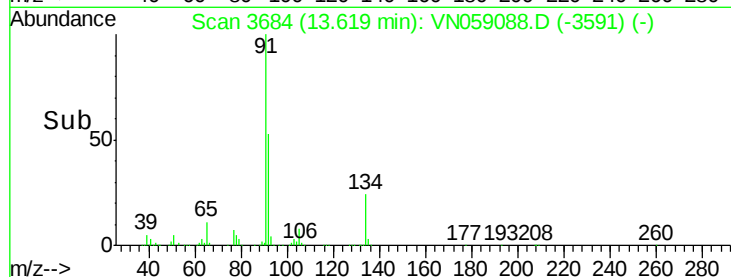
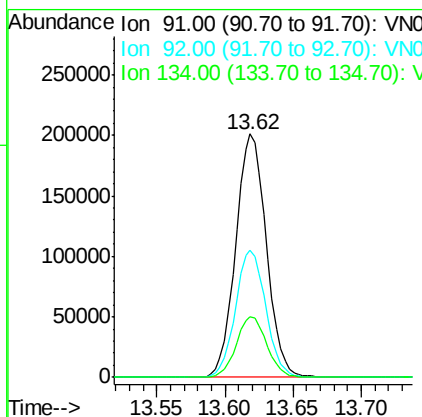
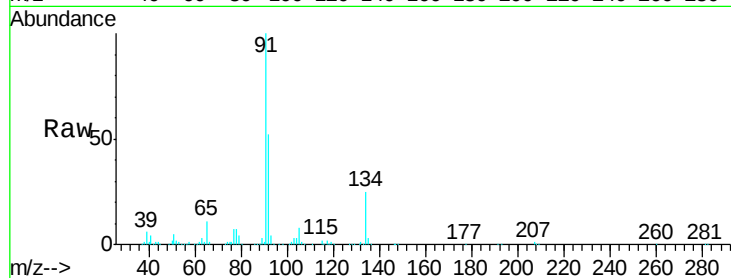
#89
n-Butylbenzene
Concen: 20.036 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.4	79.0
134	24.7	12.5	37.5

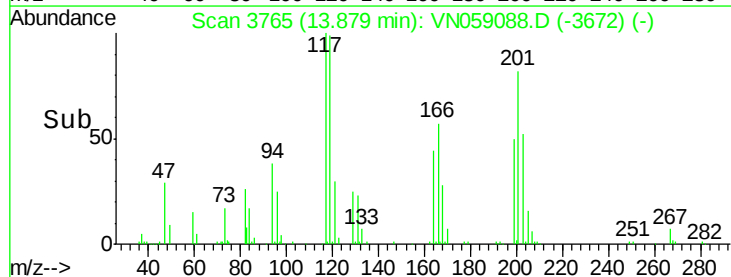
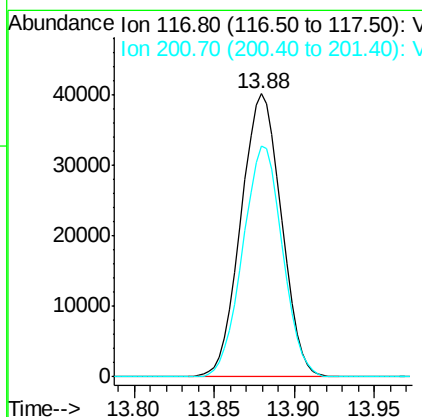
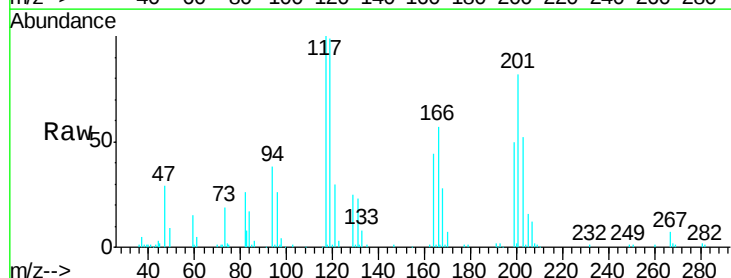
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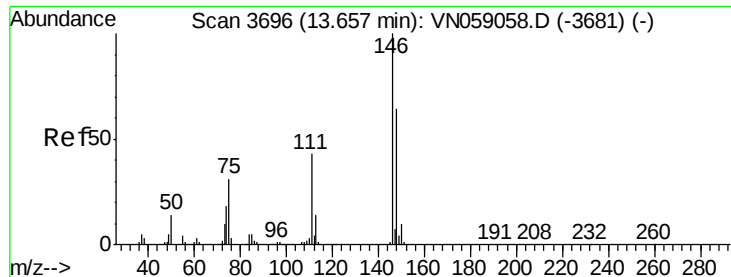
MMDadoda
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#90
Hexachloroethane
Concen: 19.458 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 19.342 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Instrument :

MSVOA_N

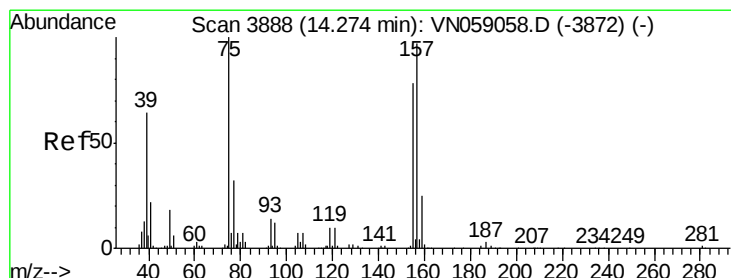
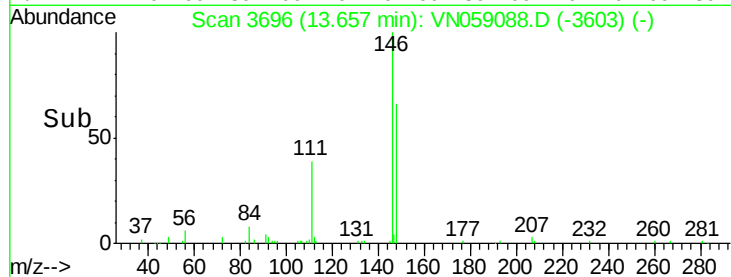
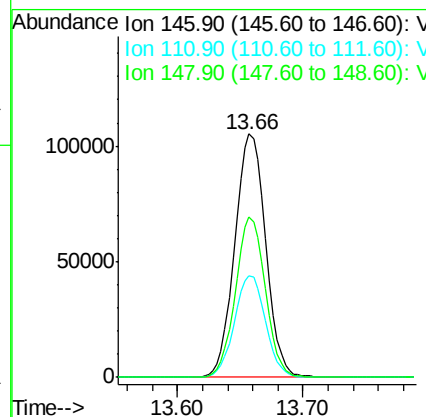
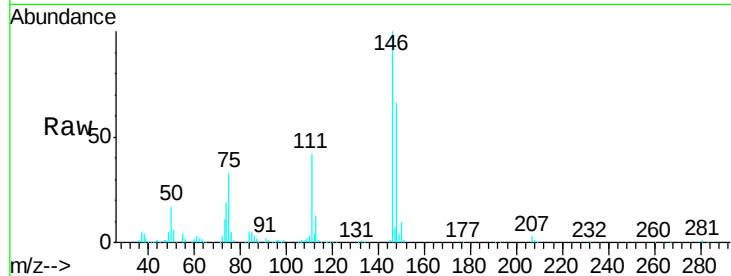
ClientSampled :

VN1105WBS01

Tgt Ion:	146	Resp:	179924
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.2	63.6
148	63.6	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.300 ug/l

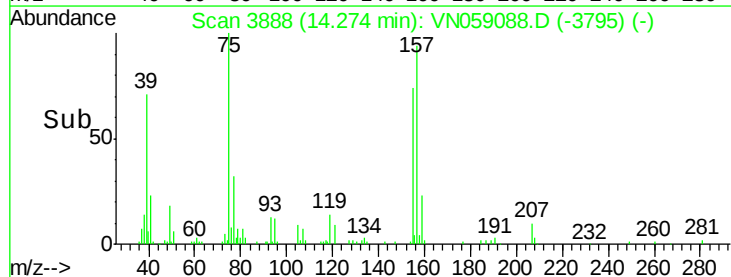
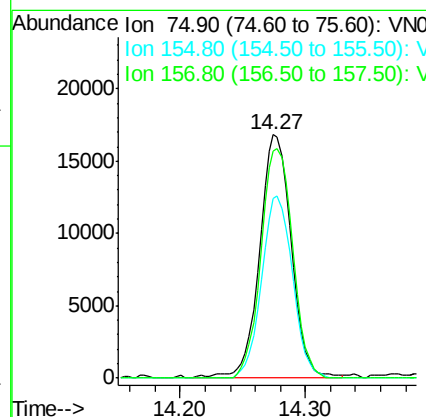
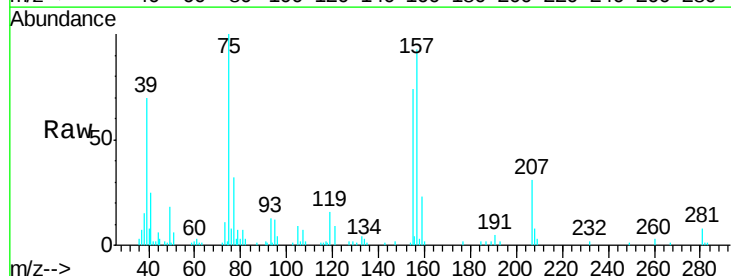
RT: 14.27 min Scan# 3888

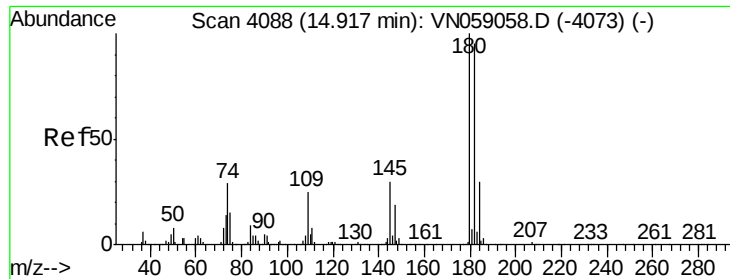
Delta R.T. 0.00 min

Lab File: VN059088.D

Acq: 5 Nov 2019 13:37

Tgt Ion:	75	Resp:	29631
Ion Ratio	Lower	Upper	
75	100		
155	72.9	39.7	119.1
157	94.2	51.0	153.0





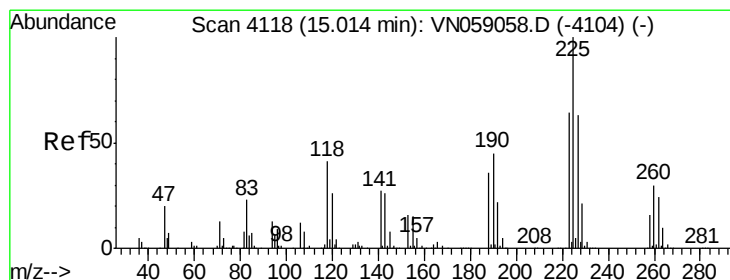
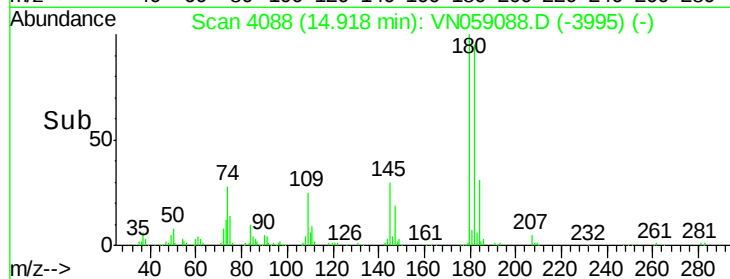
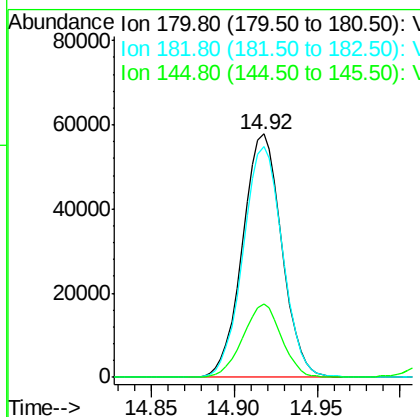
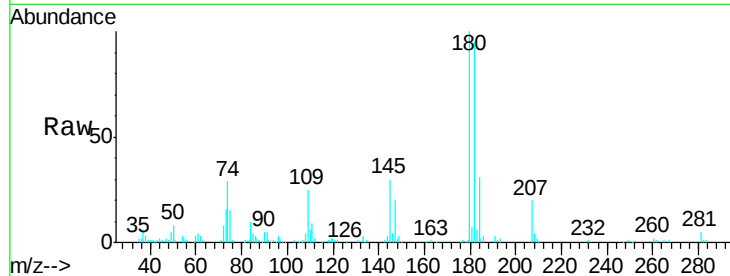
#93
 1,2,4-Trichlorobenzene
 Concen: 18.963 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1105WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	95141		
182	95.3	47.8	143.4	
145	29.6	15.1	45.3	

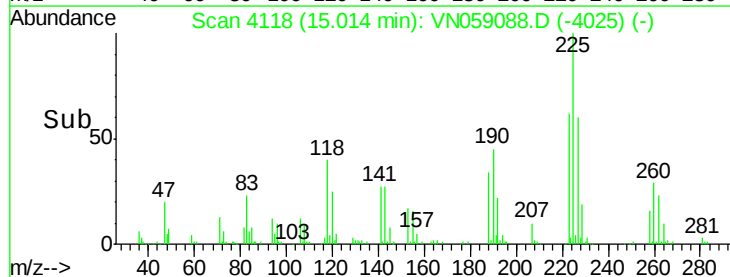
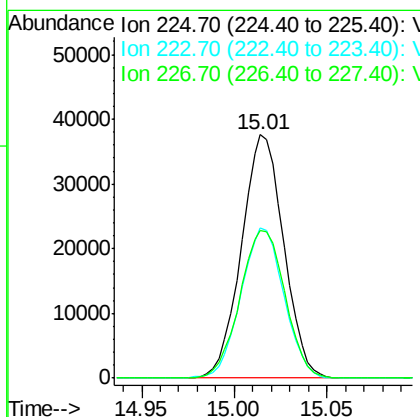
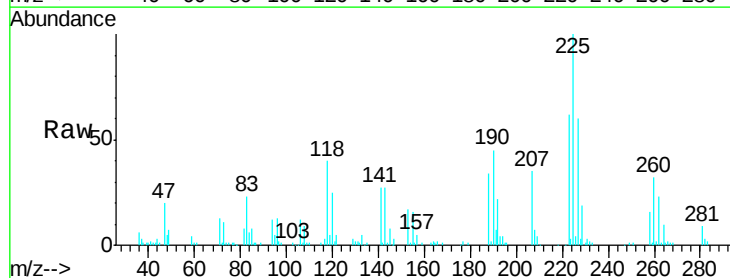
Manual Integrations
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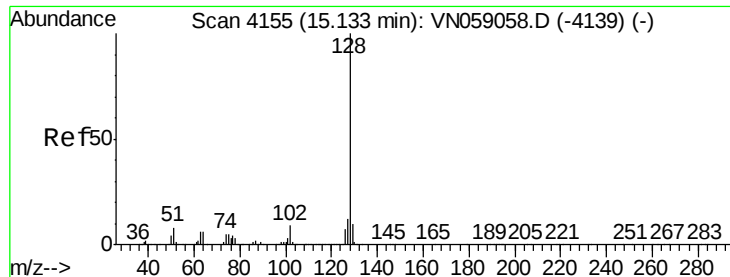
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#94
 Hexachlorobutadiene
 Concen: 19.813 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059088.D
 Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59662		
223	63.0	31.6	95.0	
227	64.6	31.9	95.7	





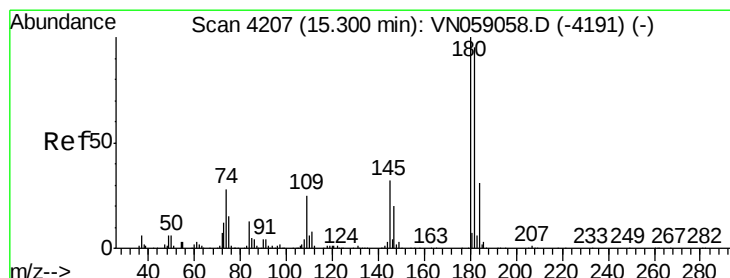
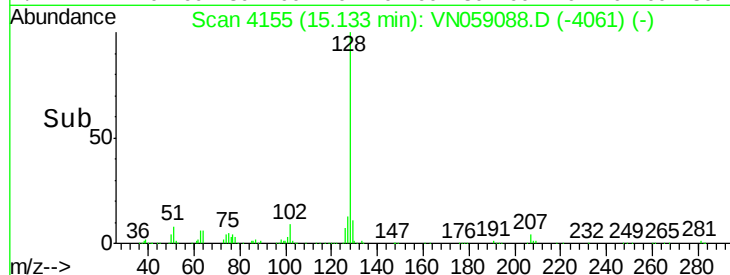
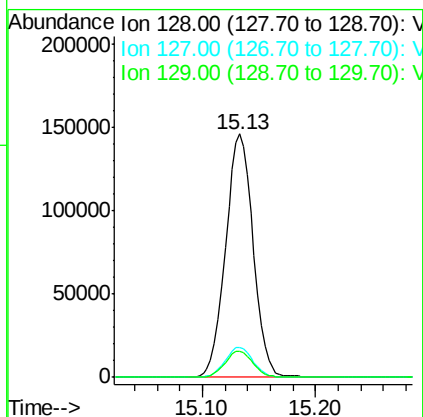
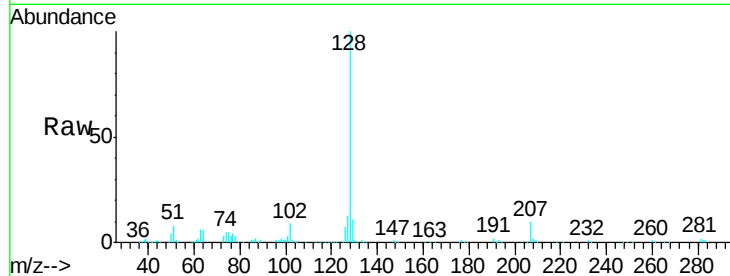
#95
Naphthalene
Concen: 17.851 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN1105WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.6	9.9	14.9
129	11.0	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.618 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059088.D
Acq: 5 Nov 2019 13:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.3	47.7	143.1
145	31.9	16.0	48.0

