

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055544.D
 Acq On : 10 May 2019 11:56
 Operator : JC/SP
 Sample : VN0510WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 1:16:42 PM

Quant Time: May 11 01:29:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	710171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1245321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1056188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	520410	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.59	113	396929	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	1541337	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.40	95	506705	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	135216	18.701	ug/l	98
3) Chloromethane	2.06	50	214759	18.283	ug/l	97
4) Vinyl Chloride	2.19	62	211278	19.054	ug/l	98
5) Bromomethane	2.54	94	90658	14.922	ug/l	99
6) Chloroethane	2.69	64	132265	20.479	ug/l	98
7) Trichlorofluoromethane	3.01	101	247716	20.364	ug/l	98
8) Diethyl Ether	3.41	74	111833	20.471	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152535	19.709	ug/l	99
10) Methyl Iodide	3.94	142	129693	12.399	ug/l	100
11) Tert butyl alcohol	4.81	59	149269	94.546	ug/l	98
12) 1,1-Dichloroethene	3.73	96	154050	19.847	ug/l	97
13) Acrolein	3.61	56	96553	91.762	ug/l	98
14) Allyl chloride	4.32	41	306139	19.255	ug/l	99
15) Acrylonitrile	5.00	53	475138	97.191	ug/l	99
16) Acetone	3.82	43	443545	89.585	ug/l	98
17) Carbon Disulfide	4.05	76	402036	18.978	ug/l	99
18) Methyl Acetate	4.33	43	205496	19.095	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	510592	19.797	ug/l	99
20) Methylene Chloride	4.55	84	196301	19.389	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	169629	20.157	ug/l	93
22) Diisopropyl ether	5.96	45	637884	19.743	ug/l	95
23) Vinyl Acetate	5.90	43	2491480	99.711	ug/l	100
24) 1,1-Dichloroethane	5.85	63	346181	19.848	ug/l	100
25) 2-Butanone	6.84	43	650855	95.164	ug/l	98
26) 2,2-Dichloropropane	6.82	77	224530	20.651	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	202359	20.807	ug/l	99
28) Bromochloromethane	7.20	49	183269	20.233	ug/l	95
29) Tetrahydrofuran	7.22	42	435446	96.309	ug/l	100
30) Chloroform	7.37	83	326606	20.256	ug/l	99
31) Cyclohexane	7.65	56	323002	18.717	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	251562	20.488	ug/l	100
36) 1,1-Dichloropropene	7.79	75	241896	19.717	ug/l	99
37) Ethyl Acetate	6.93	43	257659	19.253	ug/l	98
38) Carbon Tetrachloride	7.77	117	204474	19.793	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	280464	18.749	ug/l	98
40) Benzene	8.04	78	761967	20.011	ug/l	98
41) Methacrylonitrile	7.18	41	136263	21.937	ug/l	95
42) 1,2-Dichloroethane	8.13	62	260393	19.465	ug/l	100
43) Isopropyl Acetate	8.17	43	385167	18.944	ug/l	98
44) Trichloroethene	8.84	130	182104	20.100	ug/l	96
45) 1,2-Dichloropropane	9.12	63	216233	19.848	ug/l	98
46) Dibromomethane	9.21	93	126327	20.005	ug/l	98
47) Bromodichloromethane	9.40	83	238273	19.723	ug/l	98
48) Methyl methacrylate	9.20	41	187476	19.138	ug/l	99
49) 1,4-Dioxane	9.20	88	75790	396.954	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1247468	93.289	ug/l	99
52) Toluene	10.16	92	444135	20.403	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	232572	20.044	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	277550	20.018	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	183594	20.816	ug/l	97
56) Ethyl methacrylate	10.43	69	252512	19.248	ug/l	98
57) 1,3-Dichloropropane	10.71	76	316792	20.232	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	323737	82.149	ug/l	99
59) 2-Hexanone	10.75	43	867504	92.506	ug/l	100
60) Dibromochloromethane	10.90	129	161101	20.090	ug/l	99
61) 1,2-Dibromoethane	11.00	107	169906	20.050	ug/l	98
64) Tetrachloroethene	10.63	164	166317	19.218	ug/l	99
65) Chlorobenzene	11.43	112	447786	20.607	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	157132	21.005	ug/l	99
67) Ethyl Benzene	11.51	91	801323	19.635	ug/l	98
68) m/p-Xylenes	11.62	106	596307	40.715	ug/l	98
69) o-Xylene	11.95	106	291859	20.275	ug/l	99
70) Styrene	11.96	104	476426	20.658	ug/l	100
71) Bromoform	12.13	173	102568	20.318	ug/l #	100
73) Isopropylbenzene	12.25	105	781922	21.607	ug/l	99
74) N-amyl acetate	12.07	43	290150	18.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	261284	22.314	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	220890m	19.705	ug/l	
77) Bromobenzene	12.53	156	178264	19.644	ug/l	97
78) n-propylbenzene	12.59	91	859570	19.463	ug/l	99
79) 2-Chlorotoluene	12.67	91	528290	19.194	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	652613	19.818	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53625	17.652	ug/l	95
82) 4-Chlorotoluene	12.77	91	501994	19.302	ug/l	98
83) tert-Butylbenzene	12.99	119	551597	19.542	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	599237	19.841	ug/l	98
85) sec-Butylbenzene	13.17	105	722243	19.253	ug/l	100
86) p-Isopropyltoluene	13.29	119	594283	19.465	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	284672	20.302	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	271272	19.603	ug/l	99
89) n-Butylbenzene	13.61	91	420676	17.776	ug/l	99
90) Hexachloroethane	13.87	117	95140	19.103	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	284762	20.319	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36662	19.362	ug/l	98

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	86710	16.504	ug/l	97
94) Hexachlorobutadiene	15.01	225	91267	20.639	ug/l	99
95) Naphthalene	15.13	128	236773	15.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	98078	16.547	ug/l	99

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

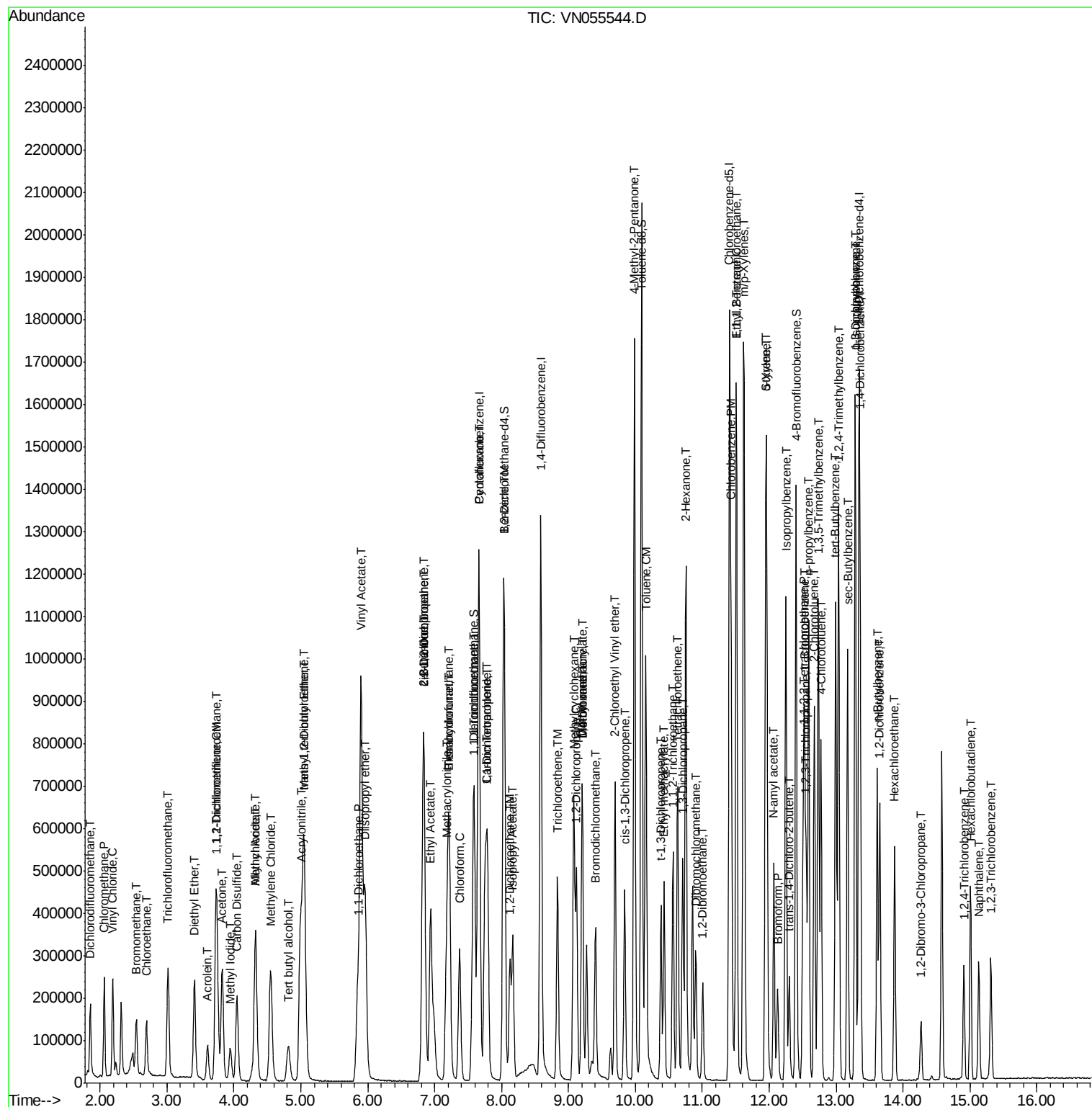
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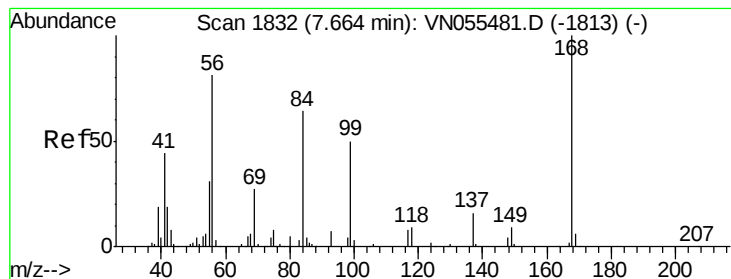
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion:168 Resp: 710171

Ion Ratio Lower Upper

168 100

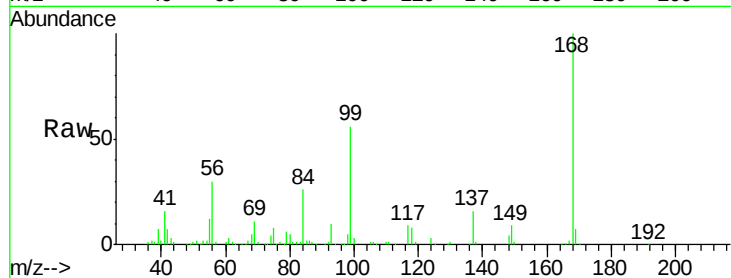
99 54.7 47.0 70.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

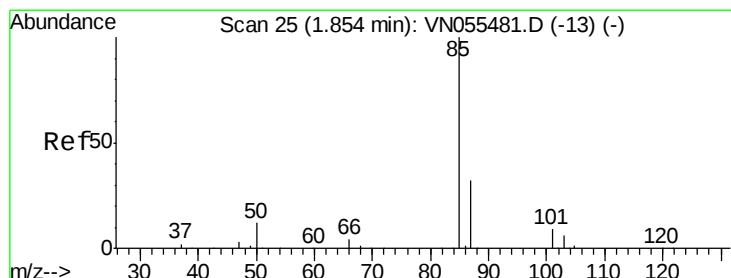
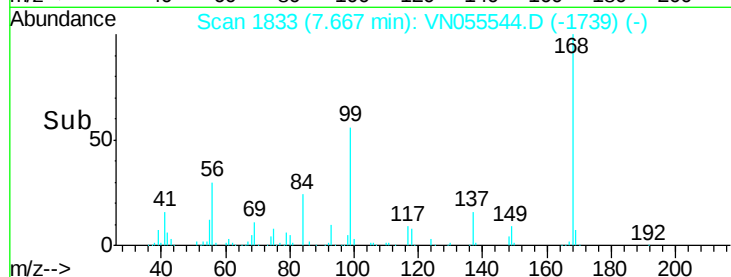
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.701 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055544.D

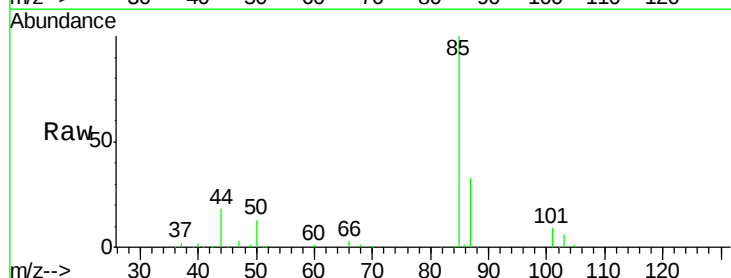
Acq: 10 May 2019 11:56

Tgt Ion: 85 Resp: 135216

Ion Ratio Lower Upper

85 100

87 33.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

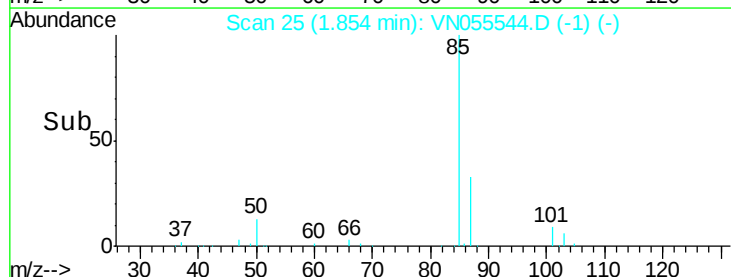
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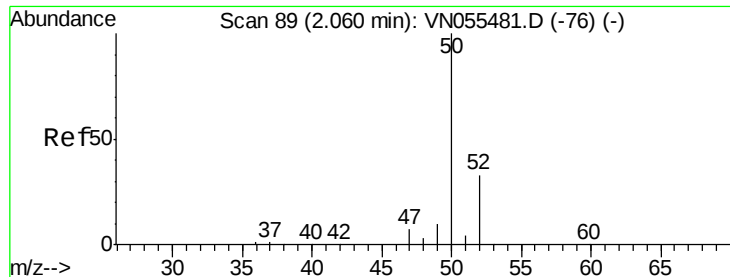
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.283 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion: 50 Resp: 214759

Ion Ratio Lower Upper

50 100

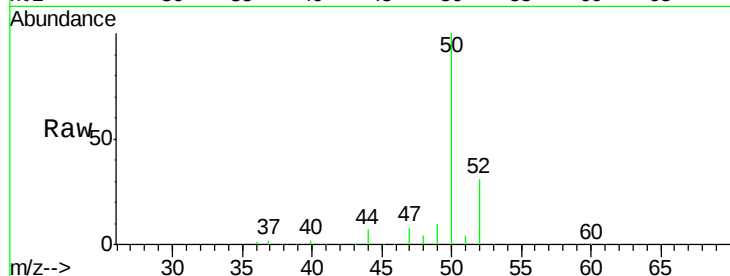
52 31.5 26.6 39.8

Manual Integrations

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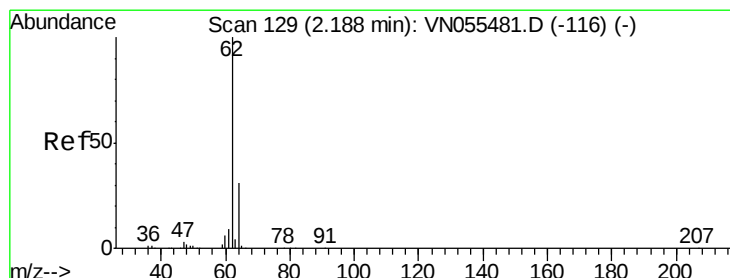
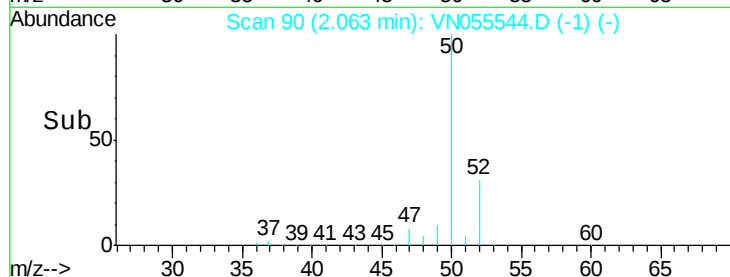
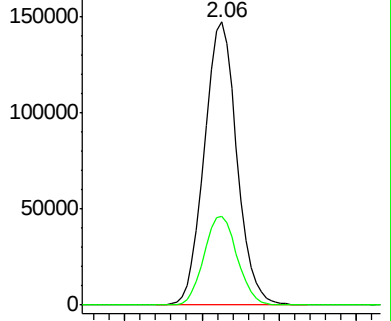
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.054 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055544.D

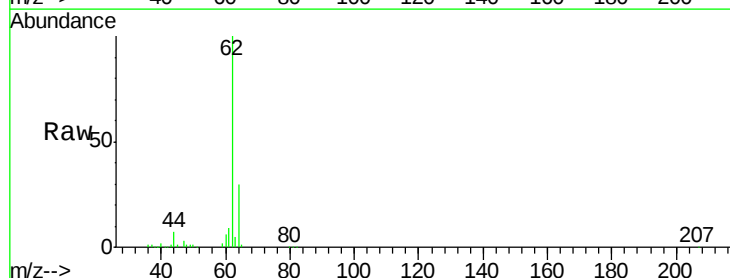
Acq: 10 May 2019 11:56

Tgt Ion: 62 Resp: 211278

Ion Ratio Lower Upper

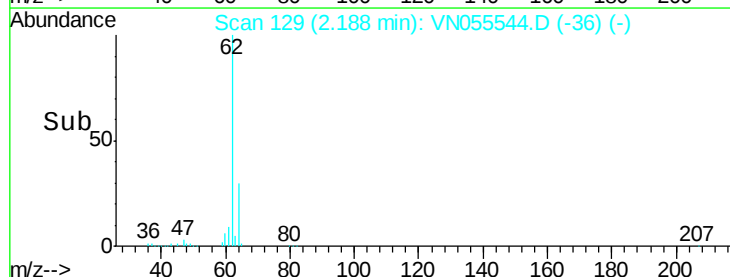
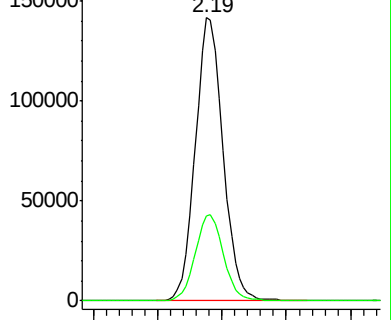
62 100

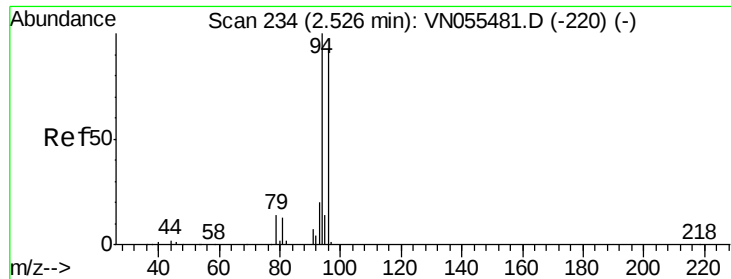
64 30.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 14.922 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion: 94 Resp: 90658

Ion Ratio Lower Upper

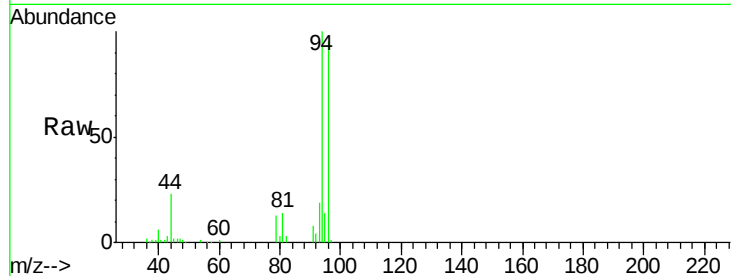
94 100

96 94.5 74.8 112.2

Manual Integrations
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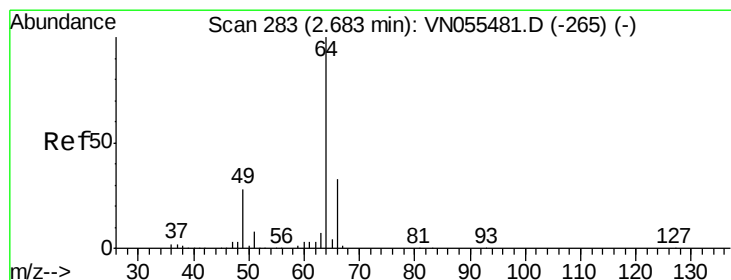
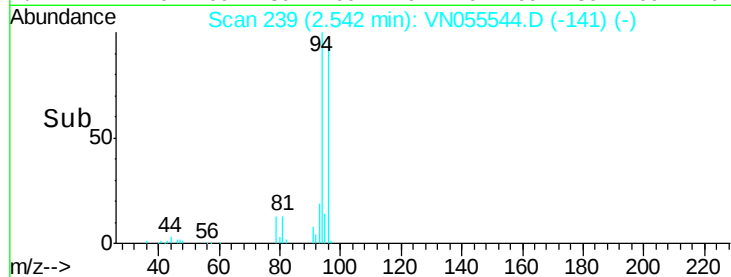
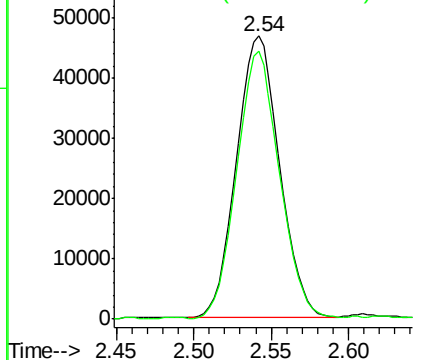
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.479 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055544.D

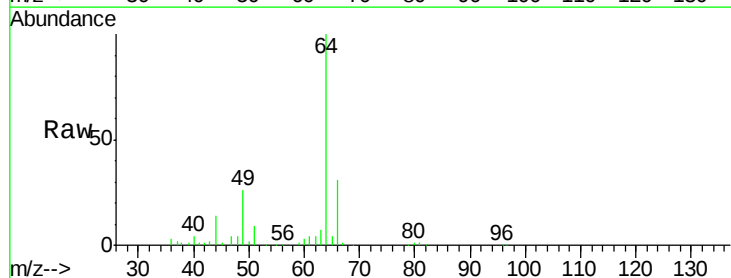
Acq: 10 May 2019 11:56

Tgt Ion: 64 Resp: 132265

Ion Ratio Lower Upper

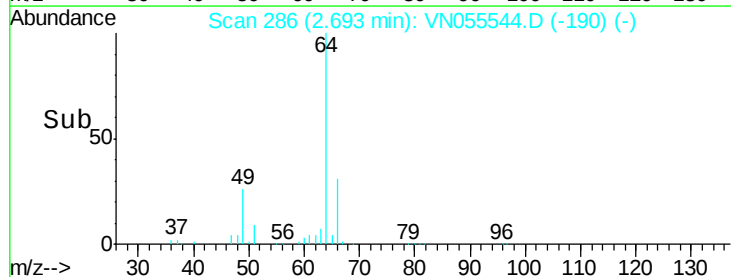
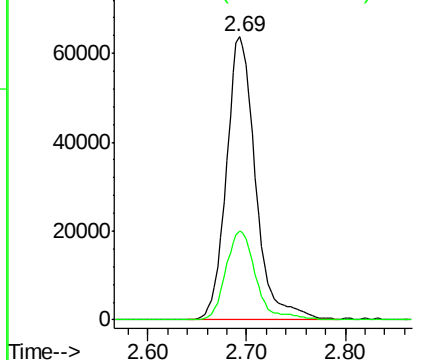
64 100

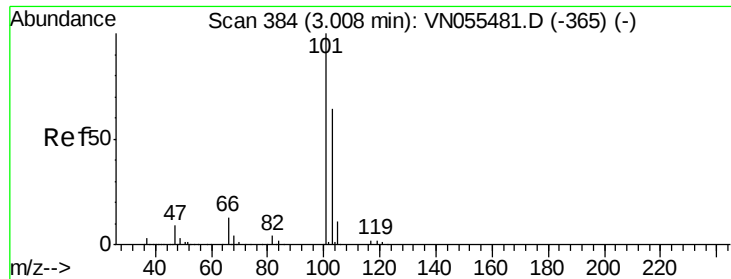
66 31.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

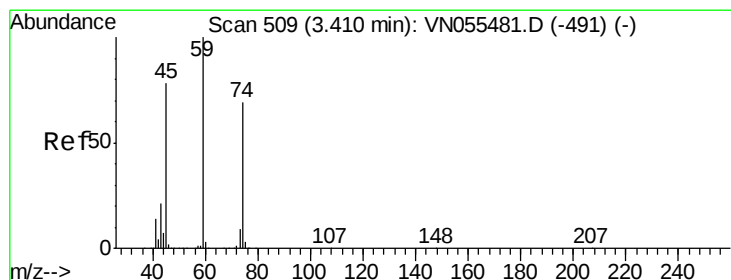
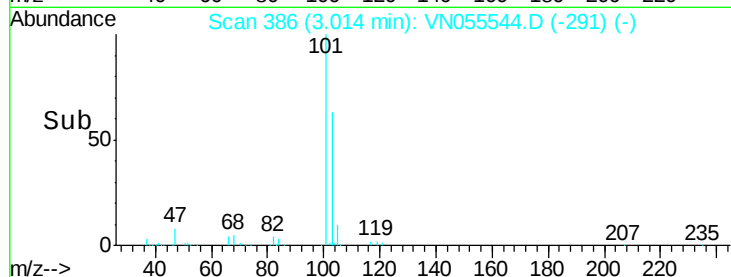
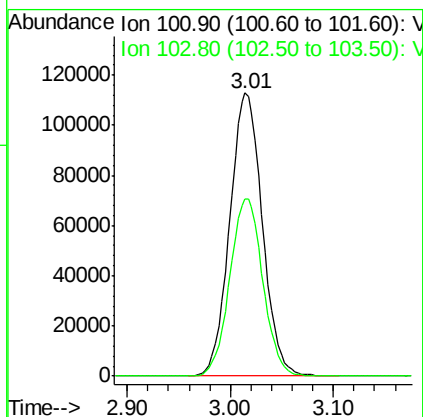
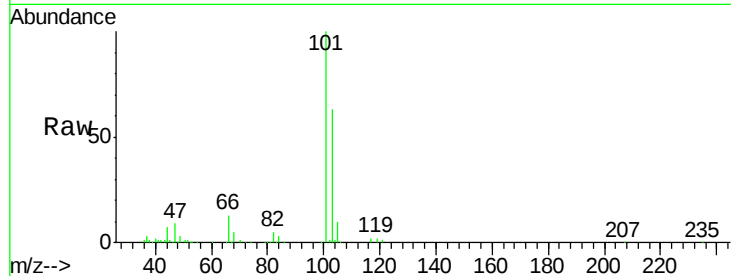
Trichlorofluoromethane
Concen: 20.364 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.01 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
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ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	247716		
103	62.8	51.2	76.8	

Manual Integrations
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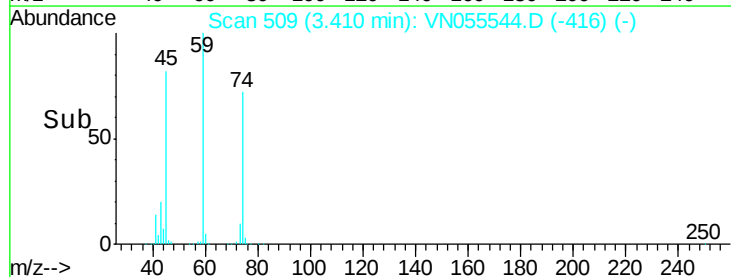
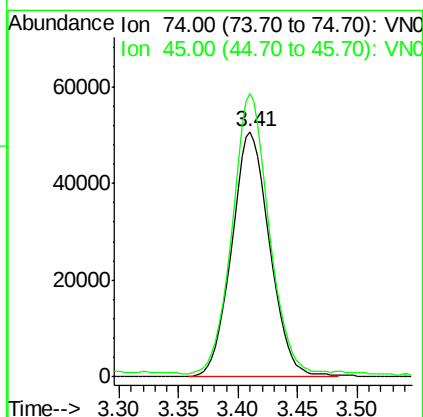
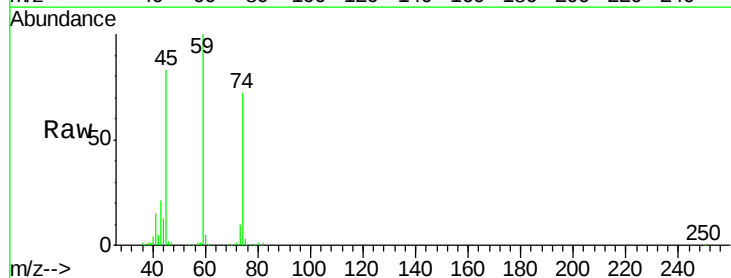
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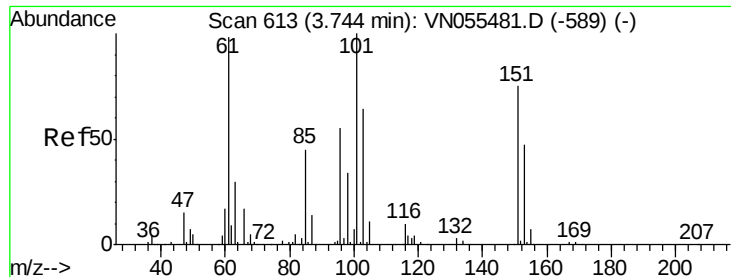


#8

Diethyl Ether
Concen: 20.471 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	111833		
45	110.4	58.1	174.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.709 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

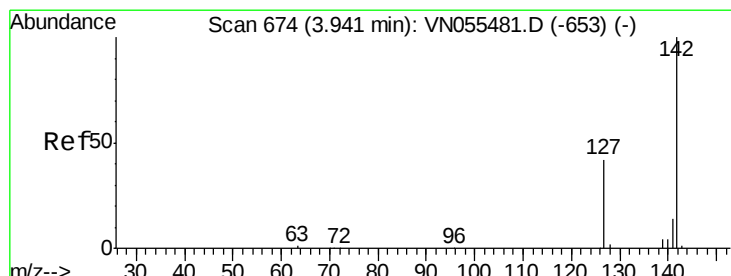
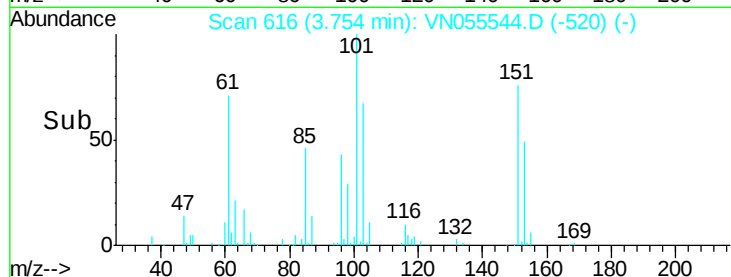
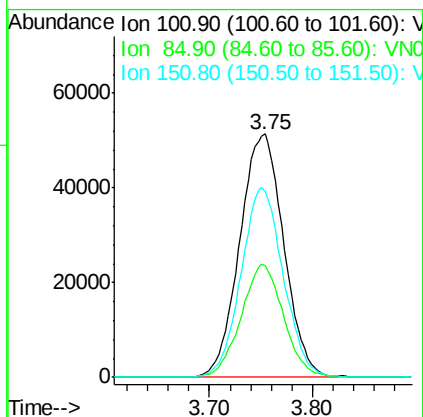
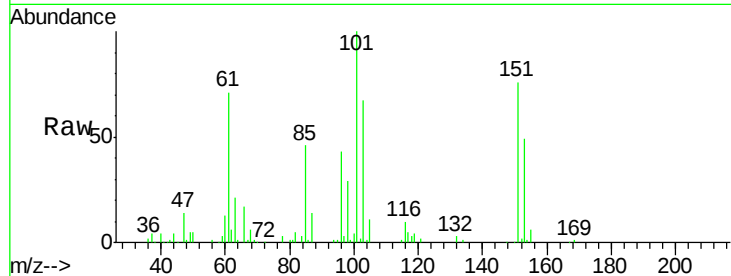
ClientSampleId :

VN0510WBS02

Tot Ion:	101	Resp:	152535
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.5	53.3
151	74.7	59.2	88.8

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#10

Methyl Iodide

Concen: 12.399 ug/l

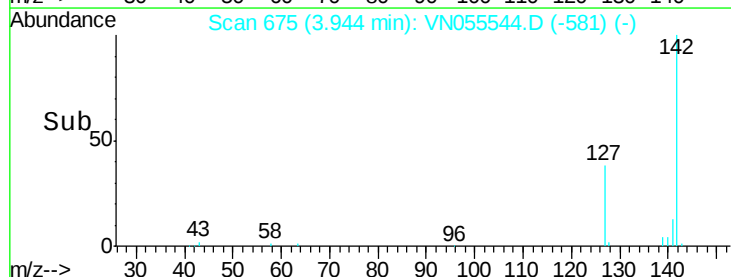
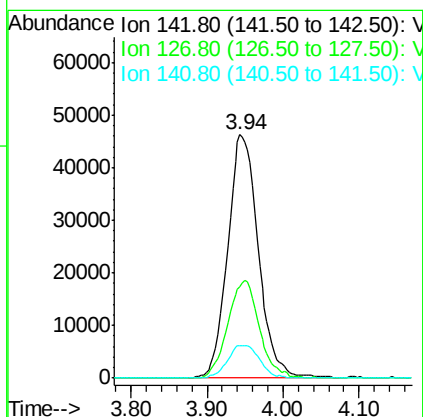
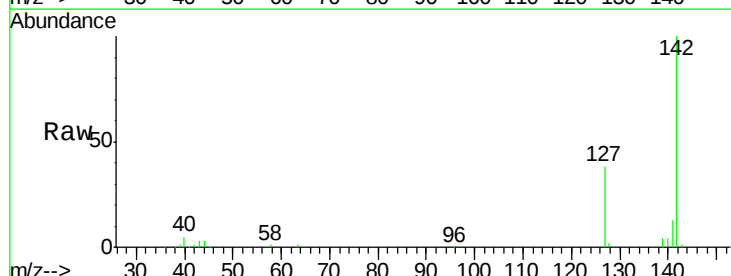
RT: 3.94 min Scan# 675

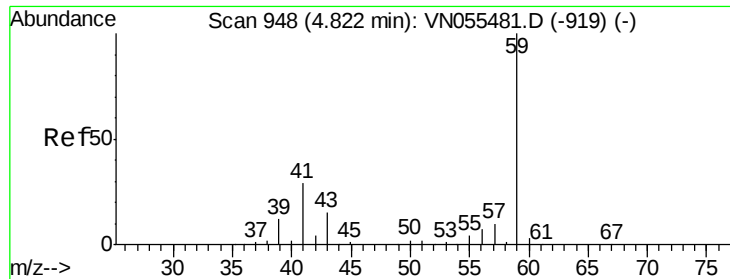
Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion:	142	Resp:	129693
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.0	49.4
141	14.2	11.4	17.0





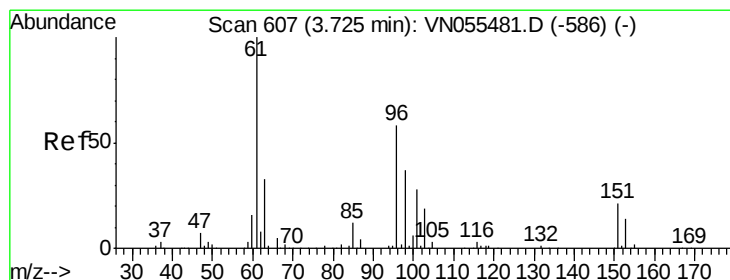
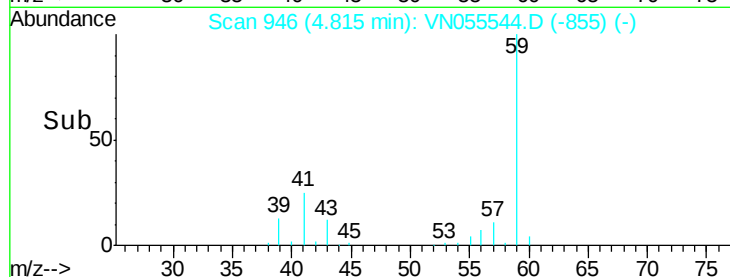
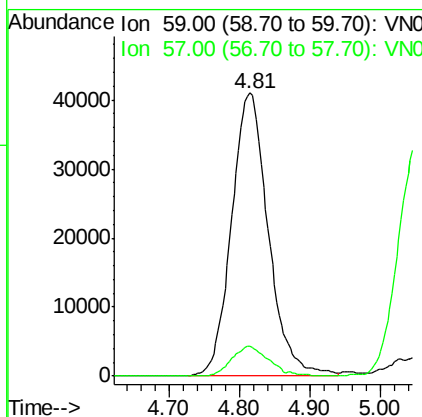
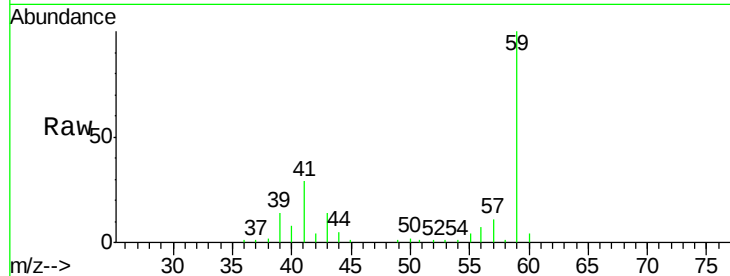
#11
Tert butyl alcohol
Concen: 94.546 ug/l
RT: 4.81 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion: 59 Resp: 149269
Ion Ratio Lower Upper
59 100
57 10.6 8.0 12.0

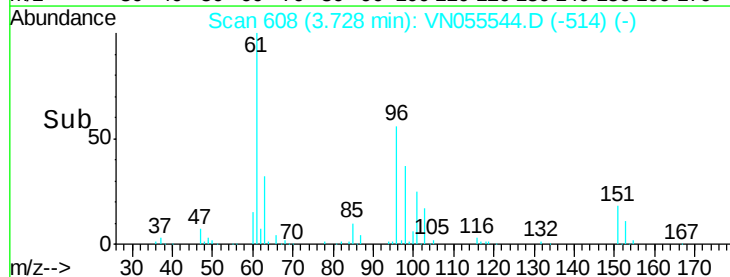
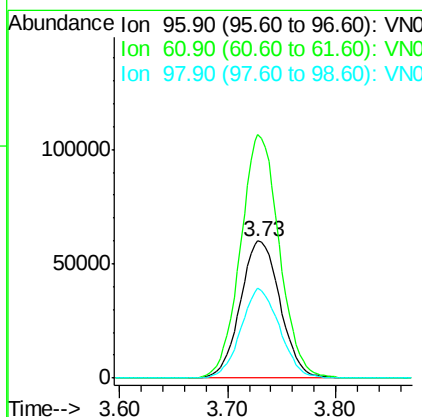
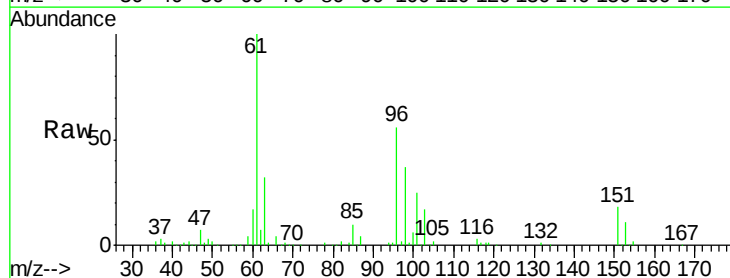
Manual Integrations
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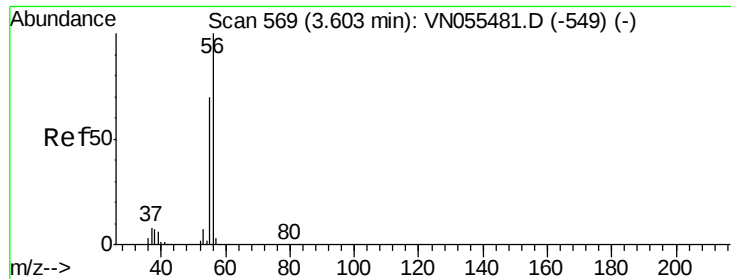
MMDadoda
5/11/2019 1:16:42 PM



#12
1,1-Dichloroethene
Concen: 19.847 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion: 96 Resp: 154050
Ion Ratio Lower Upper
96 100
61 177.7 138.7 208.1
98 65.7 50.6 76.0





#13

Acrolein

Concen: 91.762 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion: 56 Resp: 96553

Ion Ratio Lower Upper

56 100

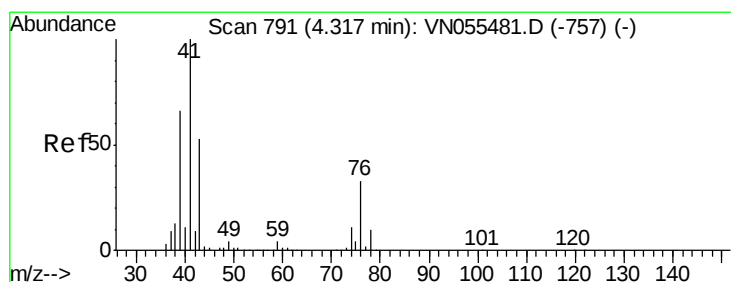
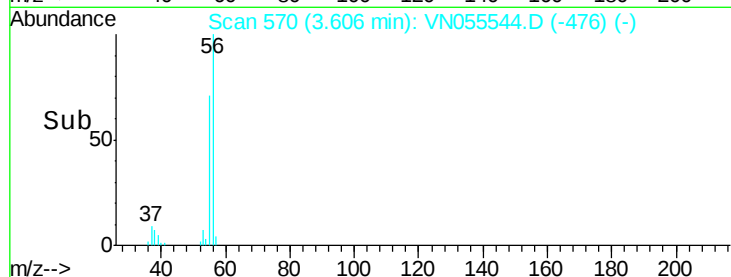
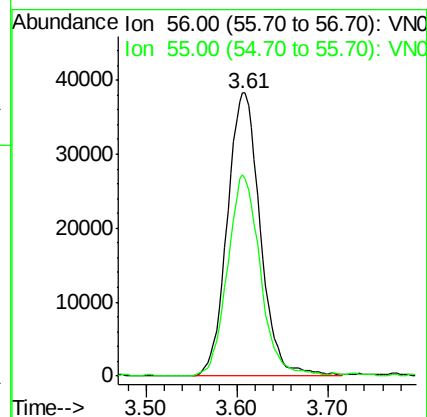
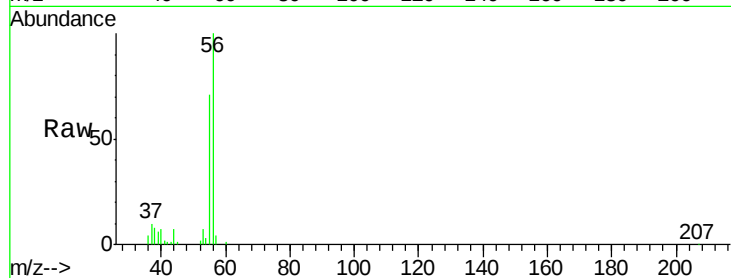
55 70.5 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.255 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

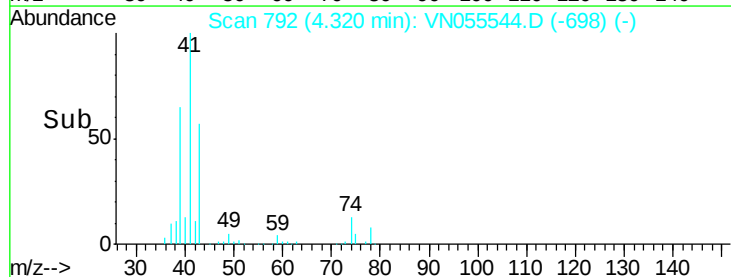
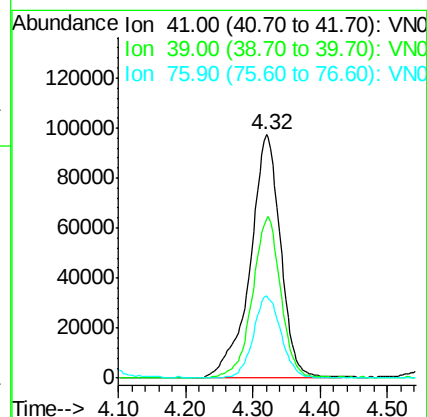
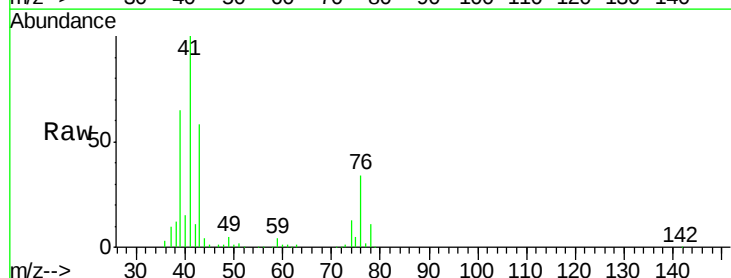
Tgt Ion: 41 Resp: 306139

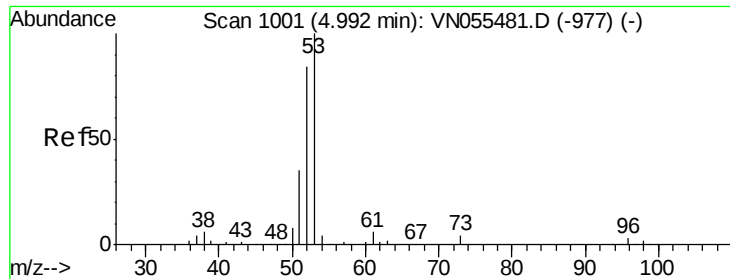
Ion Ratio Lower Upper

41 100

39 61.6 49.8 74.8

76 30.6 23.5 35.3





#15

Acrylonitrile

Concen: 97.191 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

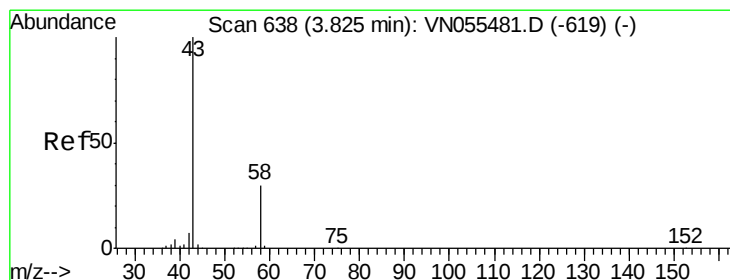
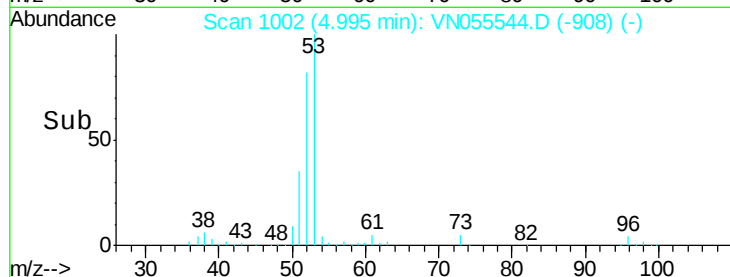
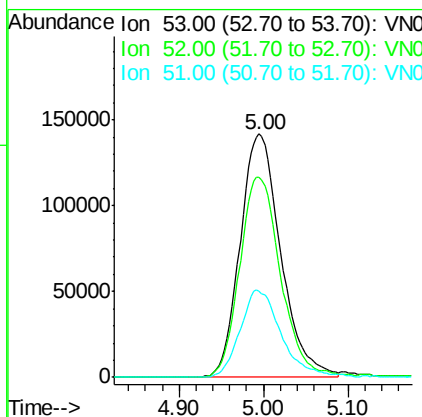
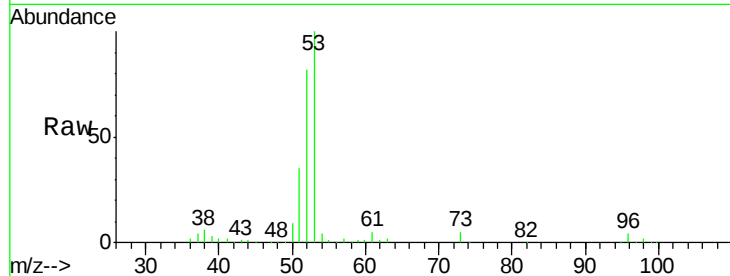
ClientSampleId :

VN0510WBS02

Tot Ion:	53	Resp:	475138
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.1	99.1
51	36.1	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 89.585 ug/l

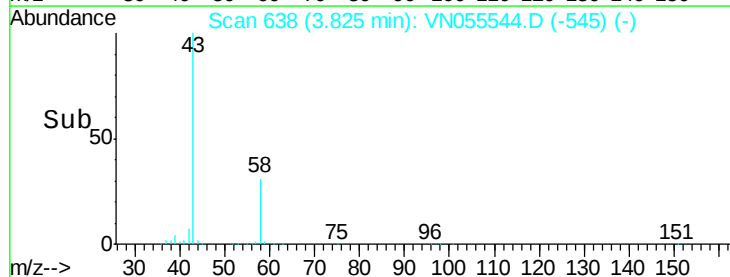
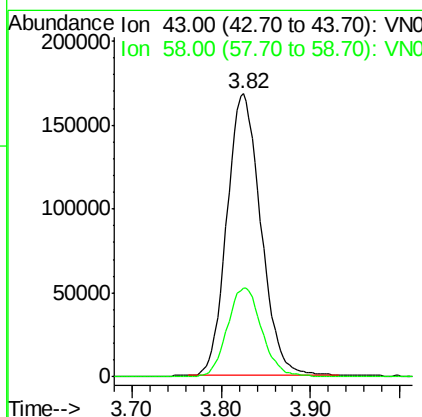
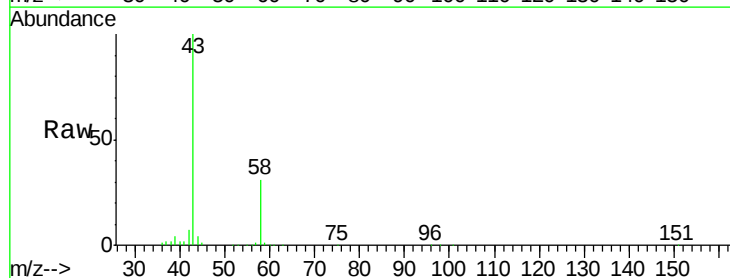
RT: 3.82 min Scan# 638

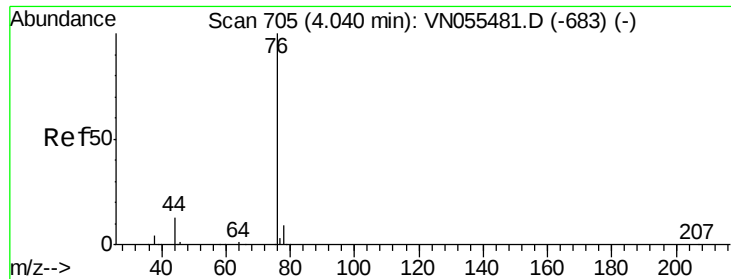
Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion:	43	Resp:	443545
Ion Ratio	Lower	Upper	
43	100		
58	31.4	24.2	36.2





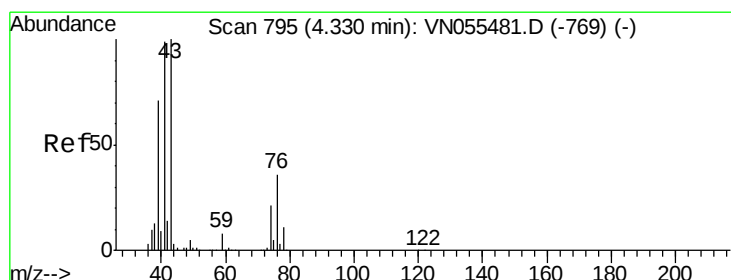
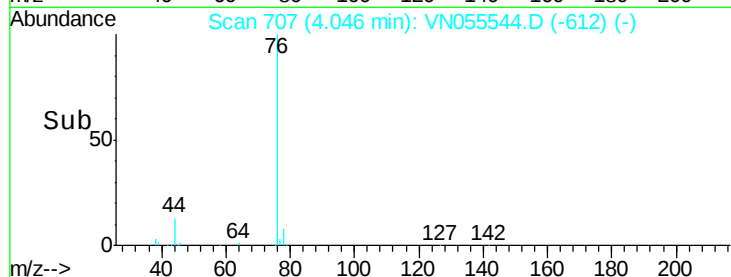
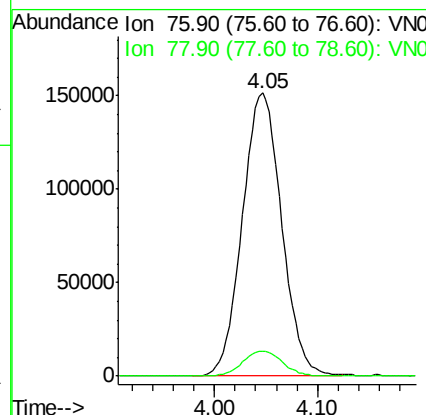
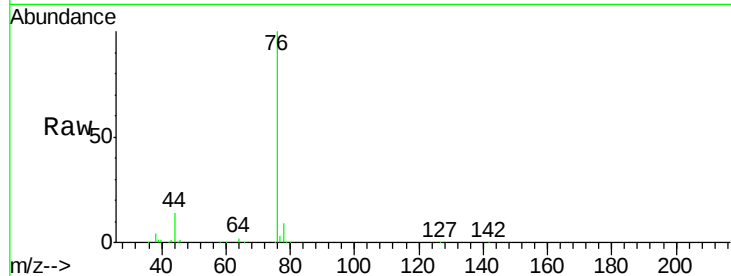
#17
Carbon Disulfide
Concen: 18.978 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

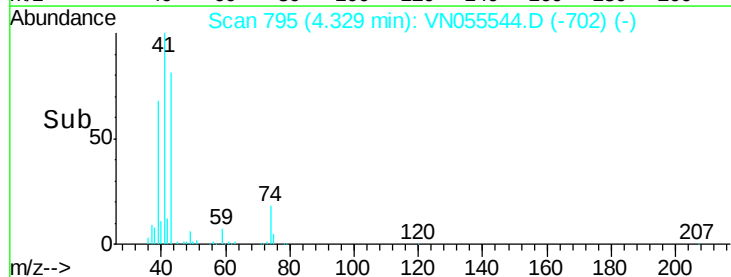
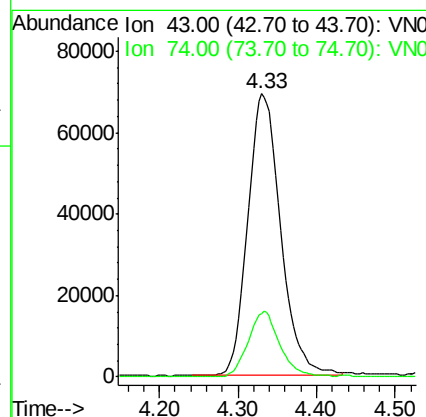
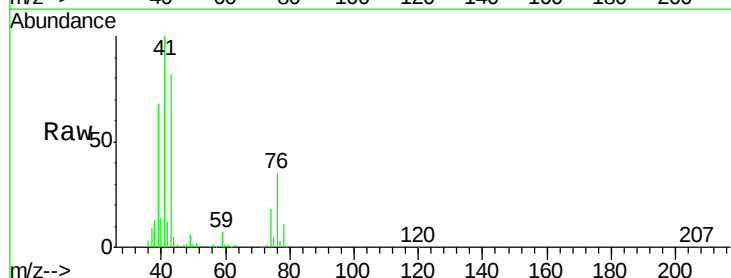
Manual Integrations
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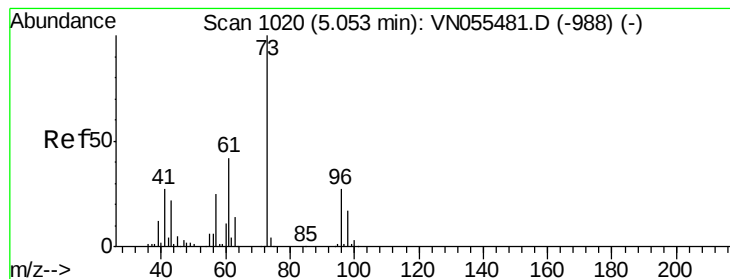
MMDadoda
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#18
Methyl Acetate
Concen: 19.095 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	16.3	24.5





#19

Methyl tert-butyl Ether

Concen: 19.797 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tot Ion: 73 Resp: 510592

Ion Ratio Lower Upper

73 100

57 24.4 20.0 30.0

Instrument :

MSVOA_N

ClientSampleId :

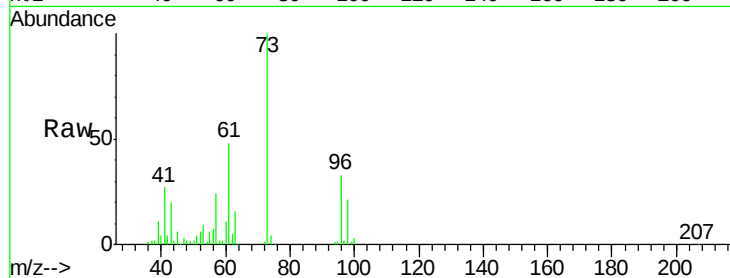
VN0510WBS02

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

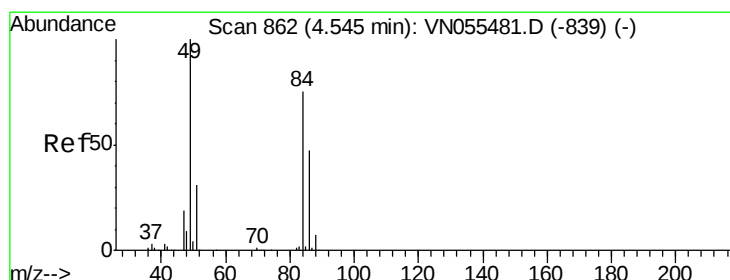
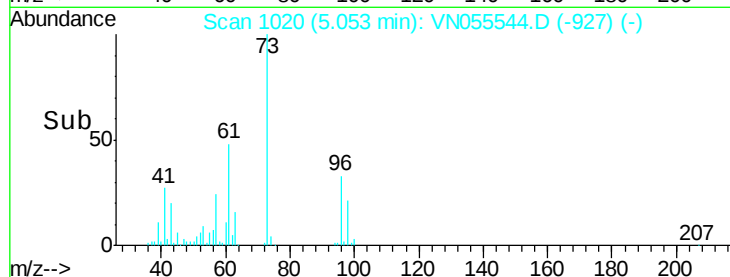
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 19.389 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion: 84 Resp: 196301

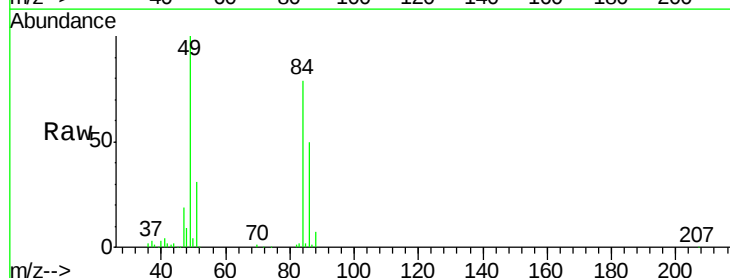
Ion Ratio Lower Upper

84 100

49 126.7 107.0 160.6

51 38.7 33.0 49.4

86 63.9 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

120000

100000

80000

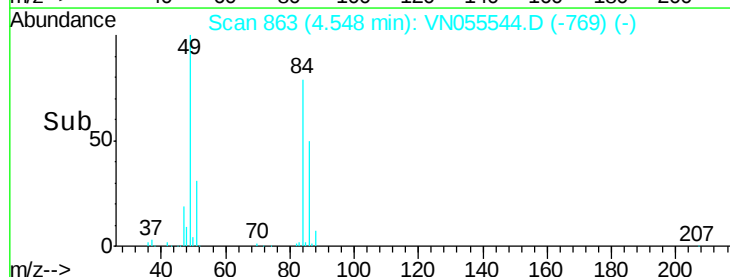
60000

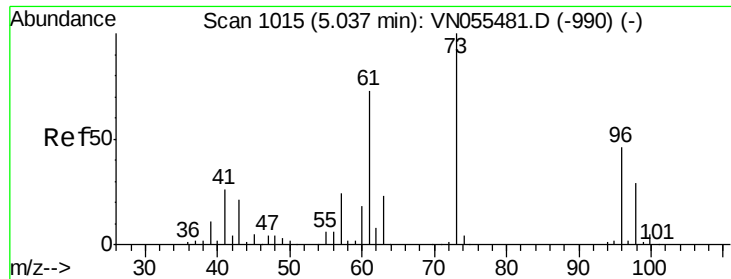
40000

20000

0

Time-->





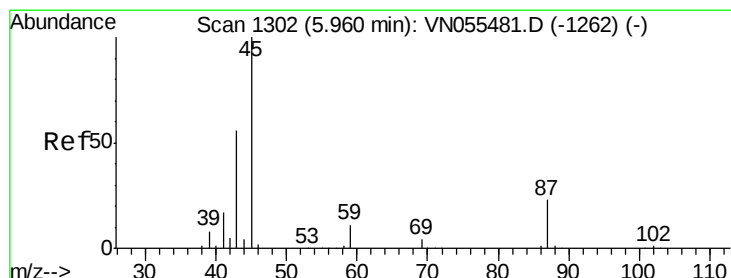
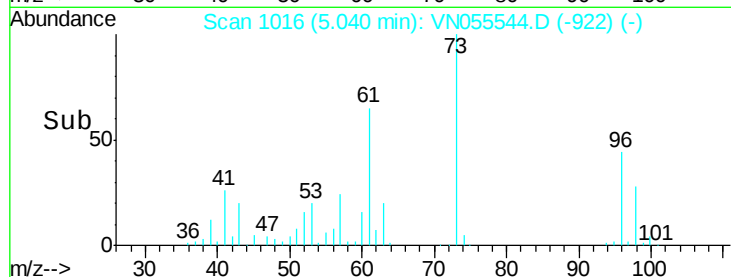
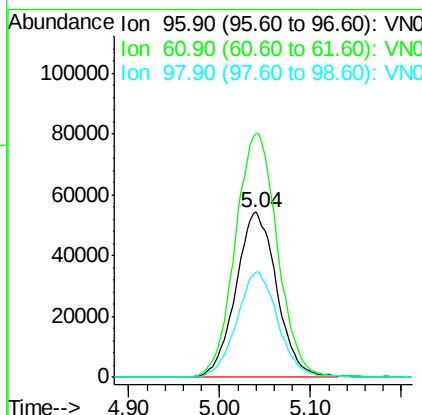
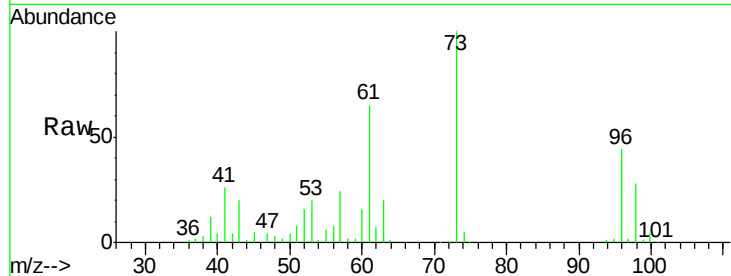
#21
trans-1,2-Dichloroethene
Concen: 20.157 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampled :
VN0510WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	127.4	191.0
98	63.5	51.6	77.4

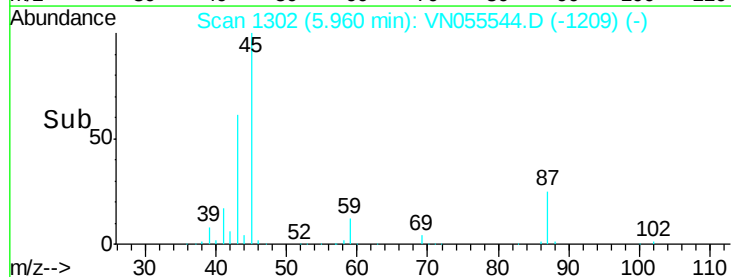
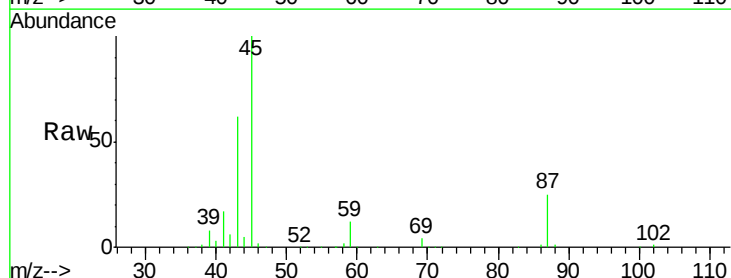
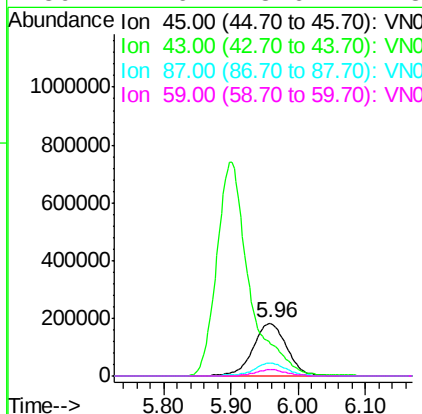
Manual Integrations
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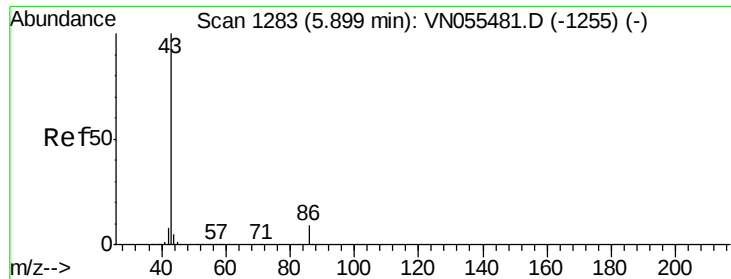
MMDadoda
5/11/2019 1:16:42 PM



#22
Diisopropyl ether
Concen: 19.743 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	44.6	66.8
87	24.8	18.6	28.0
59	11.6	8.6	12.8





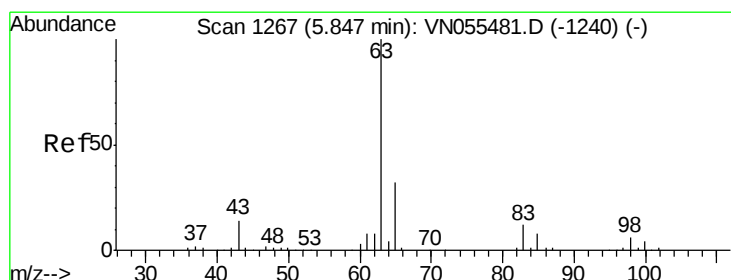
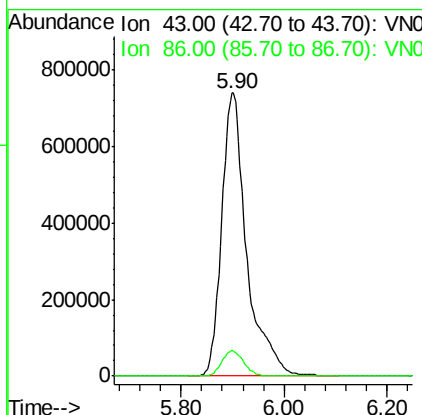
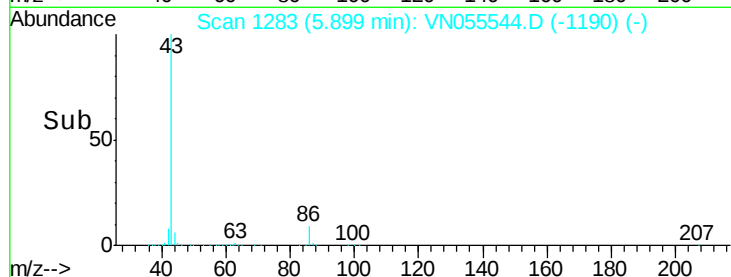
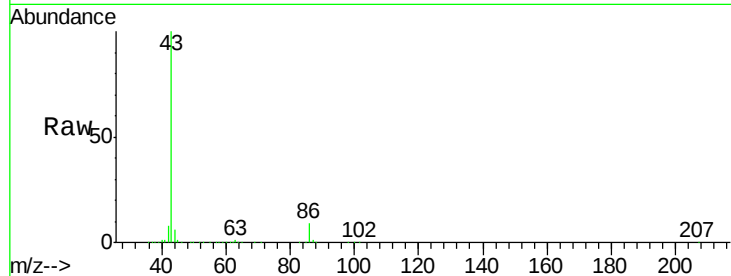
#23
 Vinyl Acetate
 Concen: 99.711 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

Tot Ion: 43 Resp: 2491480
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.1 10.7

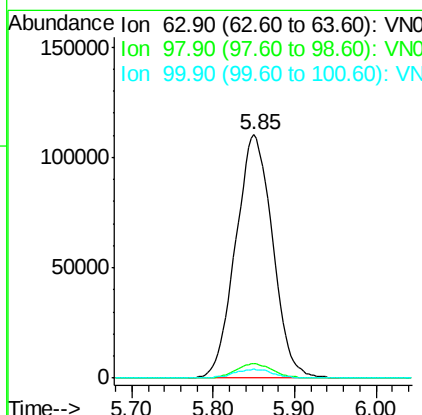
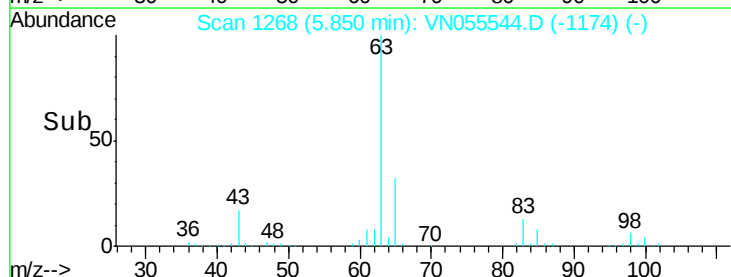
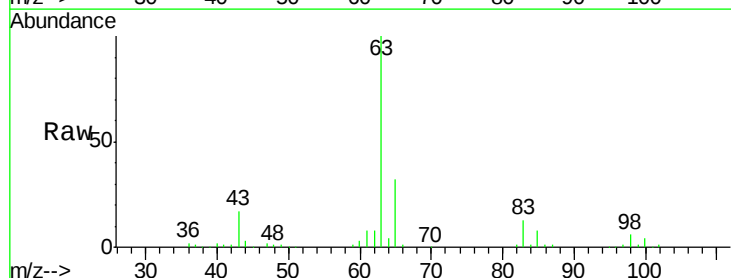
Manual Integrations
 APPROVED

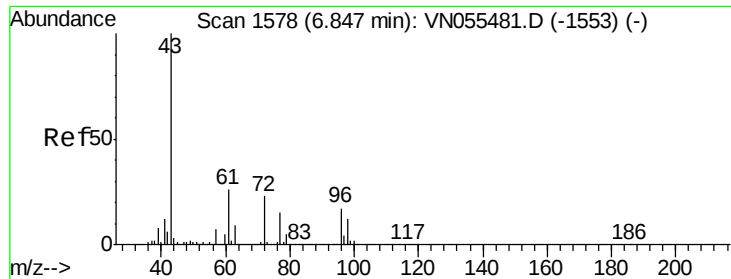
MMDadoda
 5/11/2019 1:16:42 PM



#24
 1,1-Dichloroethane
 Concen: 19.848 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Tgt Ion: 63 Resp: 346181
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.6 1.9 5.7





#25

2-Butanone

Concen: 95.164 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion: 43 Resp: 650855

Ion Ratio Lower Upper

43 100

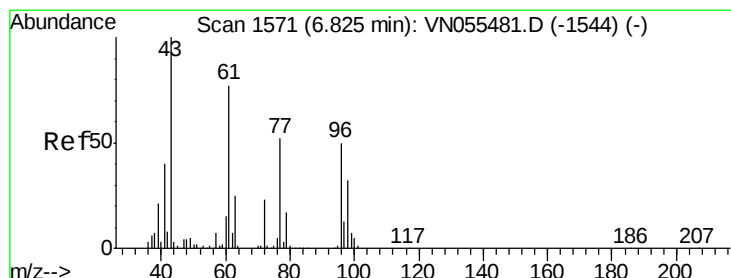
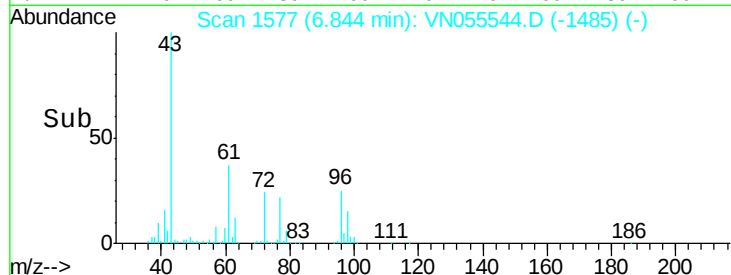
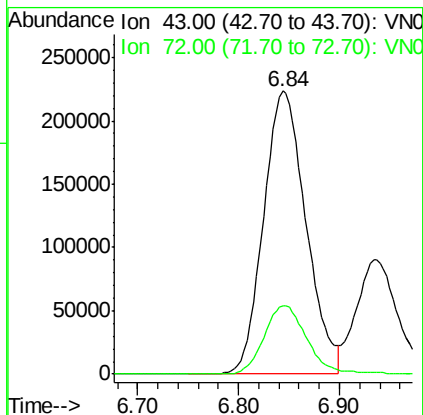
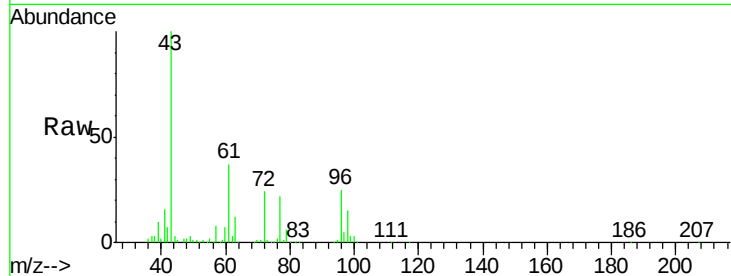
72 24.4 18.6 27.8

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#26

2,2-Dichloropropane

Concen: 20.651 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055544.D

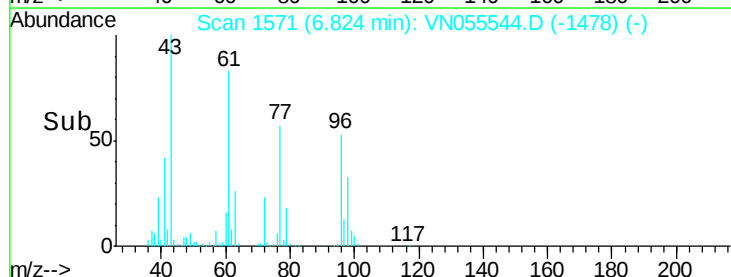
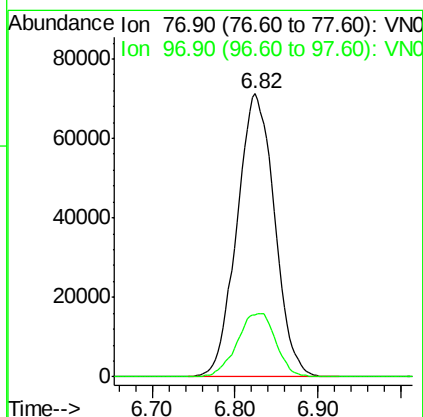
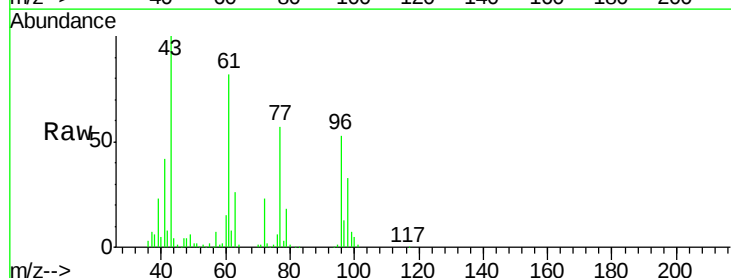
Acq: 10 May 2019 11:56

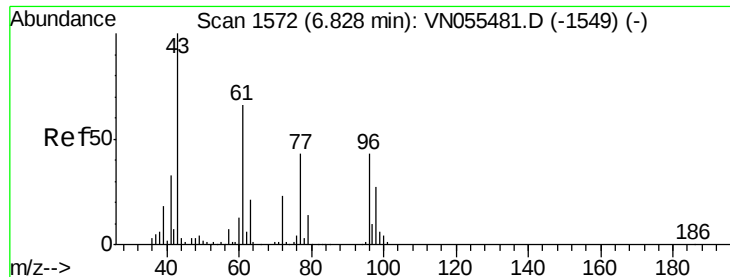
Tgt Ion: 77 Resp: 224530

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5





#27

cis-1,2-Dichloroethene

Concen: 20.807 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055544.D

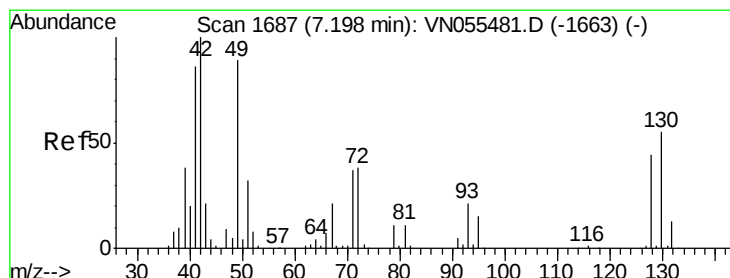
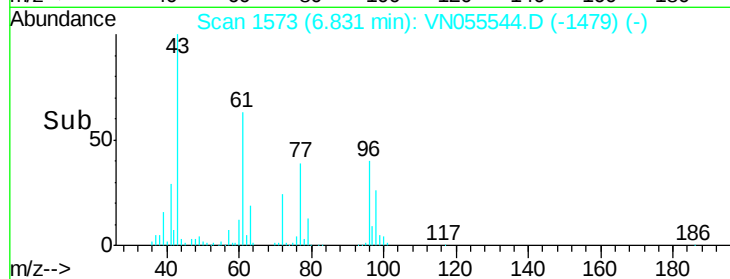
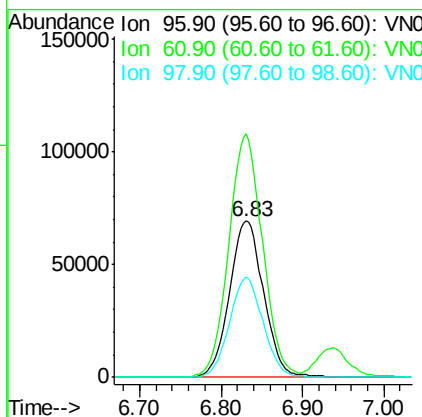
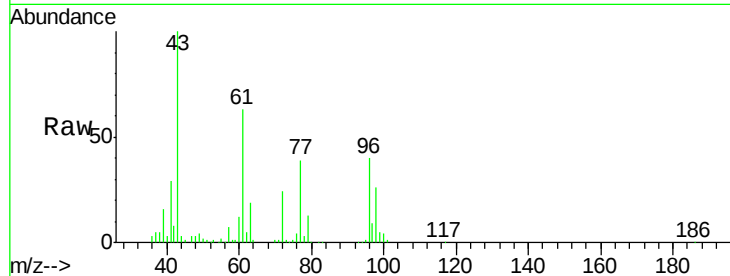
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.8	0.0	310.8	
98	63.1	0.0	129.4	

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#28

Bromochloromethane

Concen: 20.233 ug/l

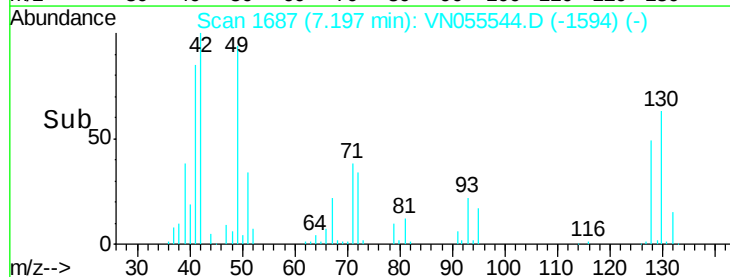
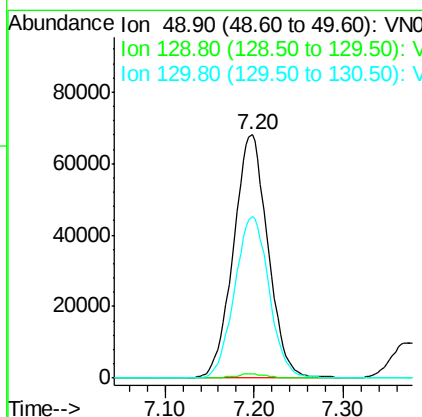
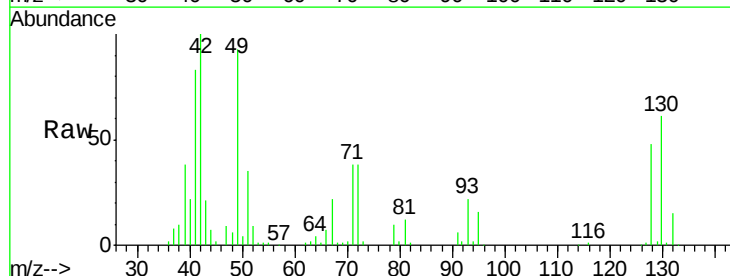
RT: 7.20 min Scan# 1687

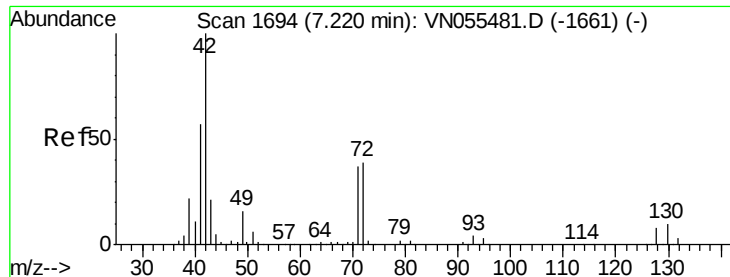
Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.2	
130	66.2	49.5	74.3	





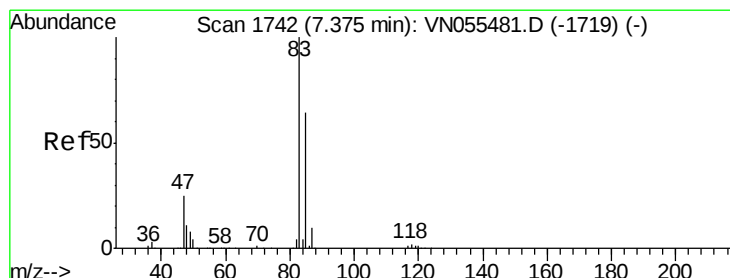
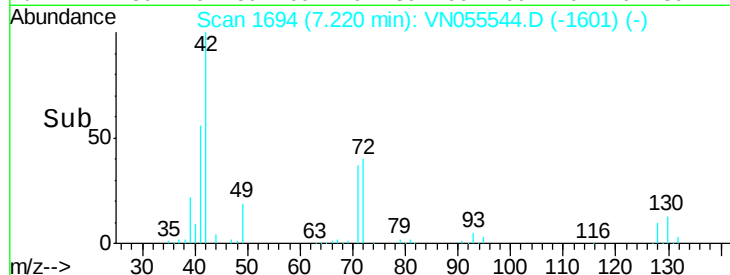
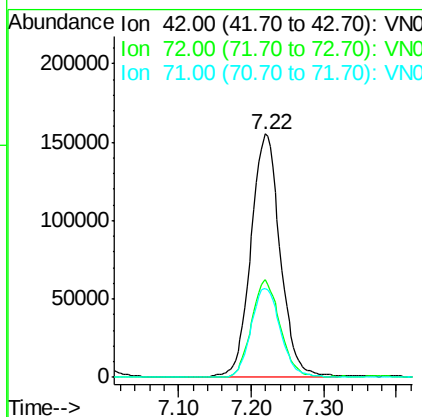
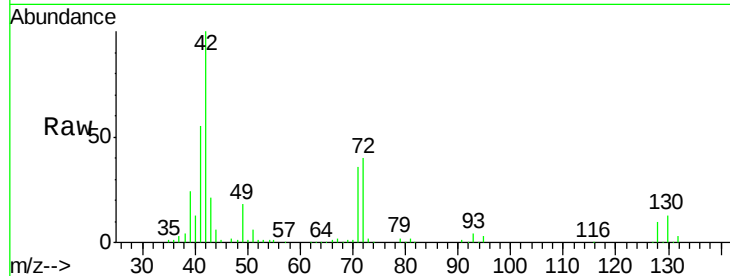
#29
Tetrahydrofuran
Concen: 96.309 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.0	46.6
71	36.8	29.4	44.2

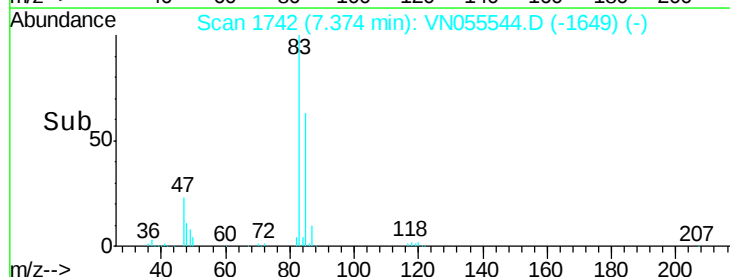
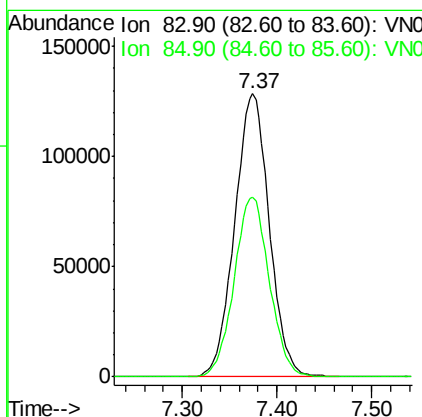
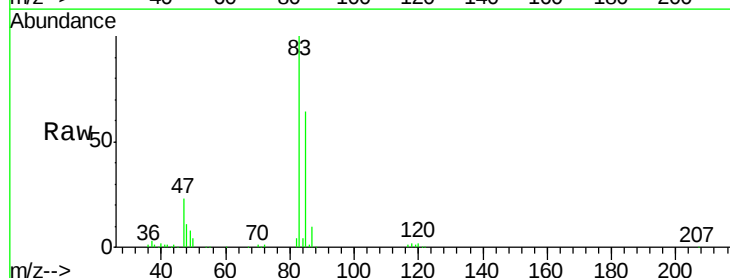
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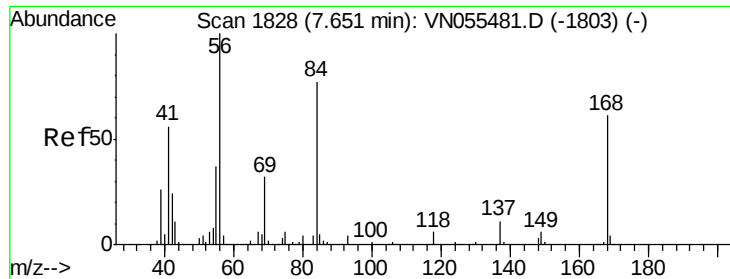
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#30
Chloroform
Concen: 20.256 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.3	76.9





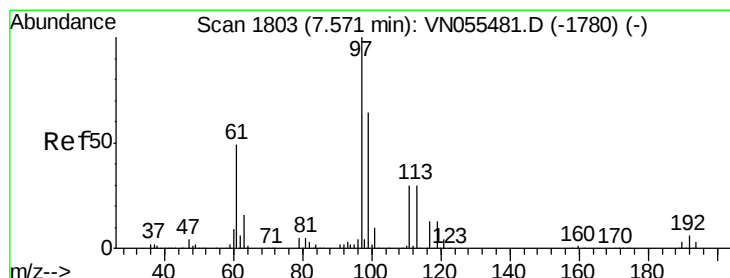
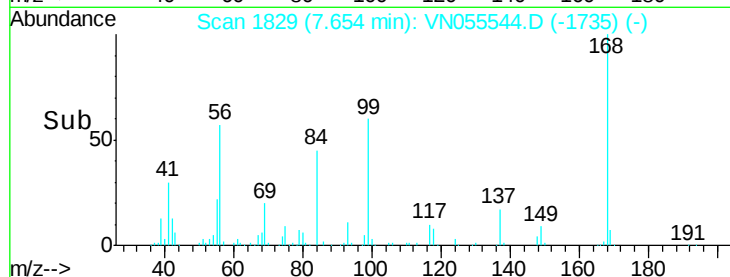
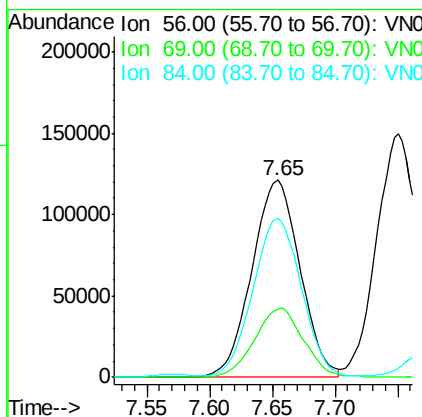
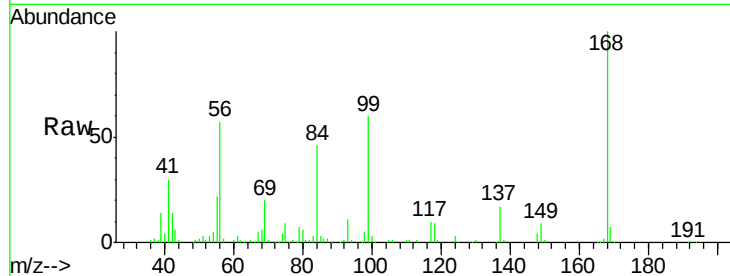
#31
Cvclohexane
Concen: 18.717 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	26.0	39.0
84	79.9	61.9	92.9

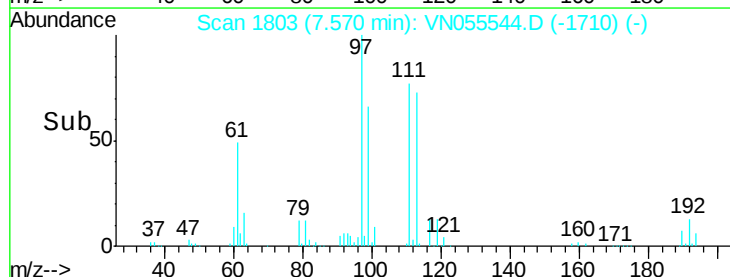
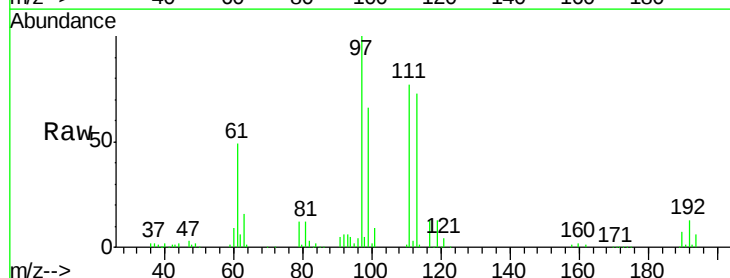
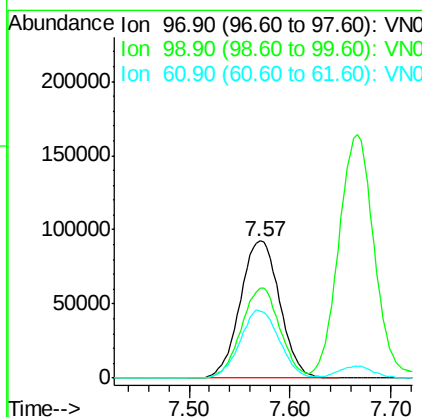
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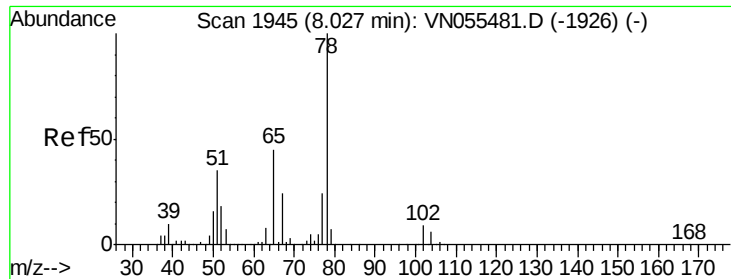
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#32
1,1,1-Trichloroethane
Concen: 20.488 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	49.1	39.2	58.8





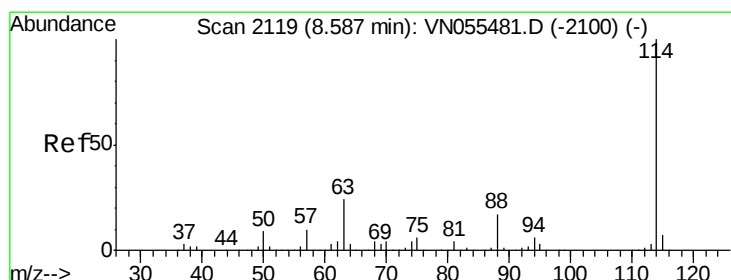
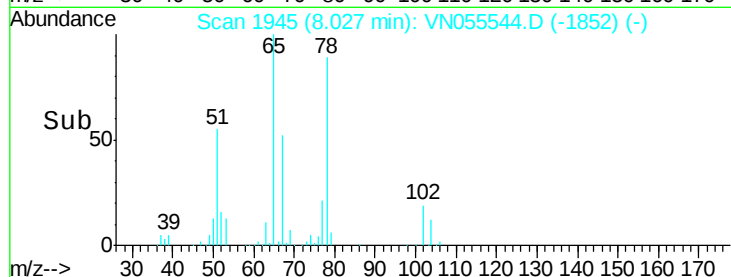
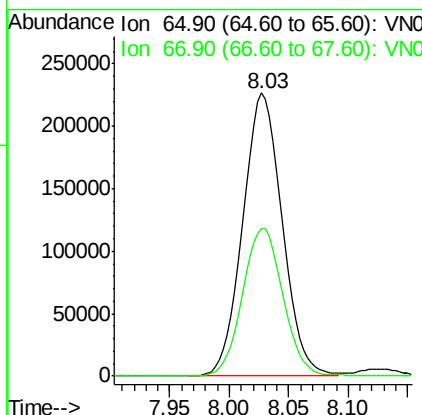
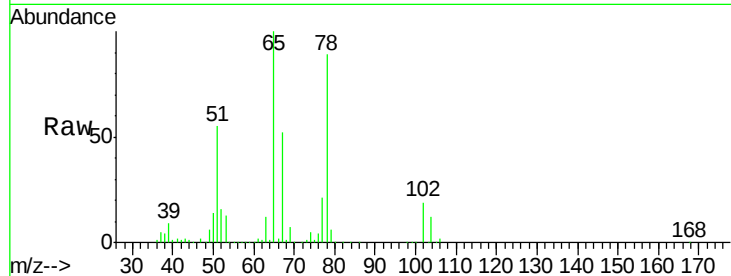
#33
 1,2-Dichloroethane-d4
 Concen: 48.669 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	109.6	

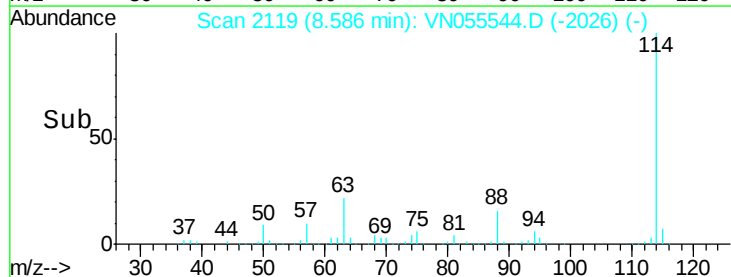
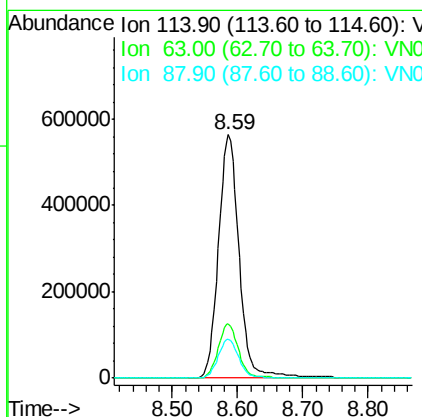
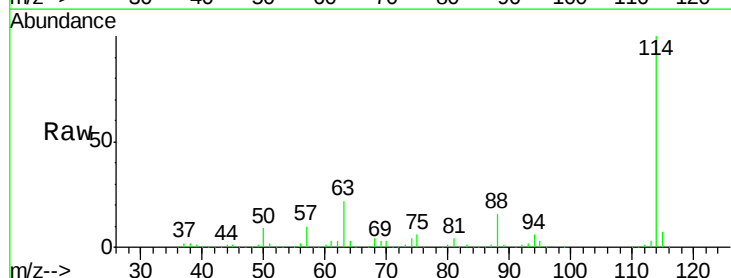
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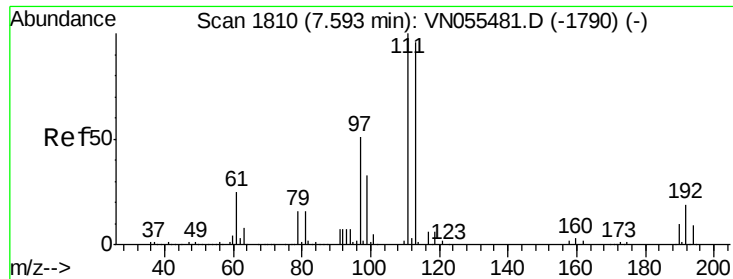
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	47.4	
88	15.9	0.0	34.0	





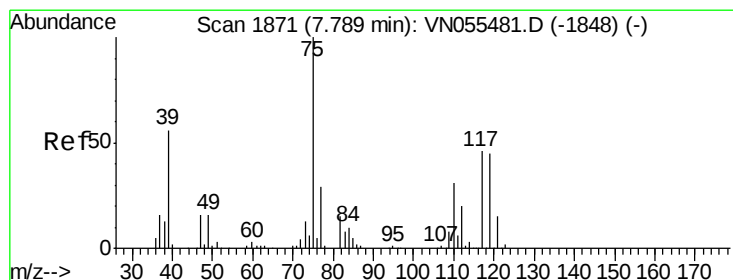
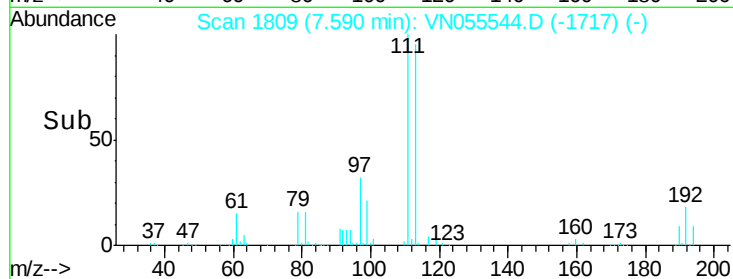
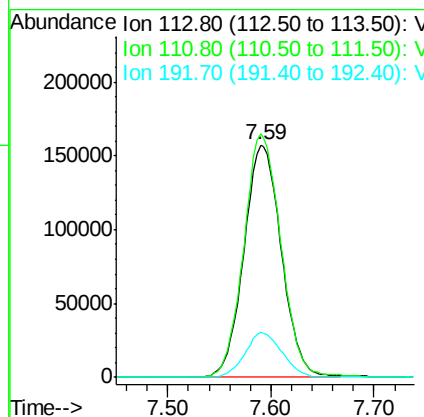
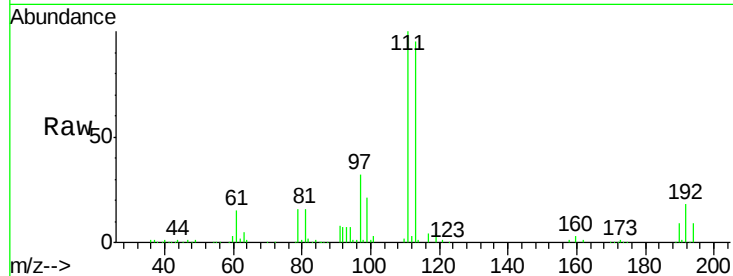
#35
 Dibromofluoromethane
 Concen: 49.410 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	82.9	124.3	
192	19.3	15.6	23.4	

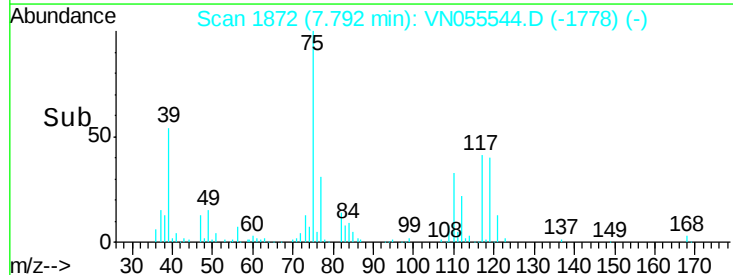
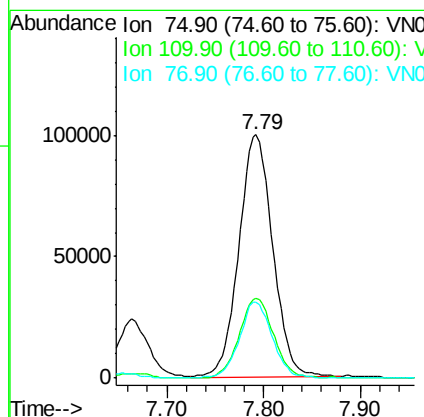
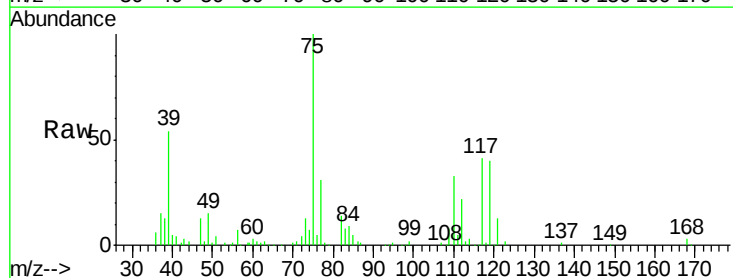
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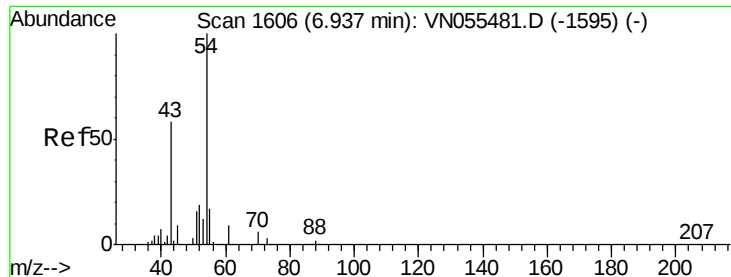
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#36
 1,1-Dichloropropene
 Concen: 19.717 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	16.1	48.3	
77	30.9	24.6	37.0	





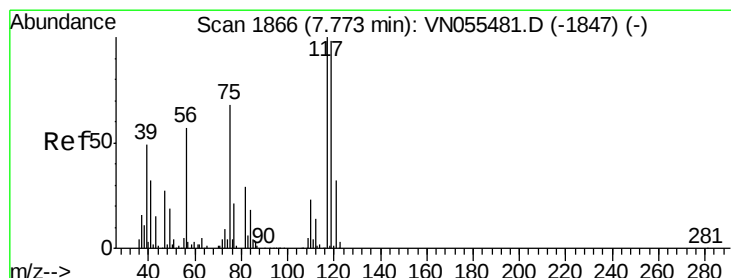
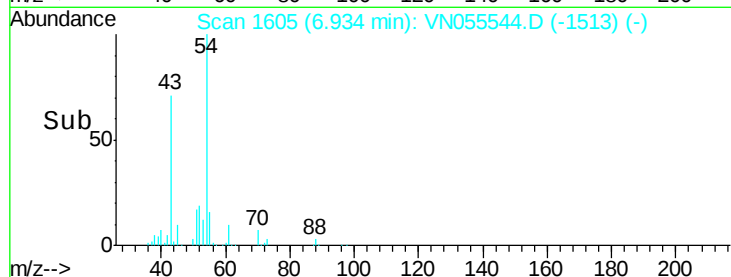
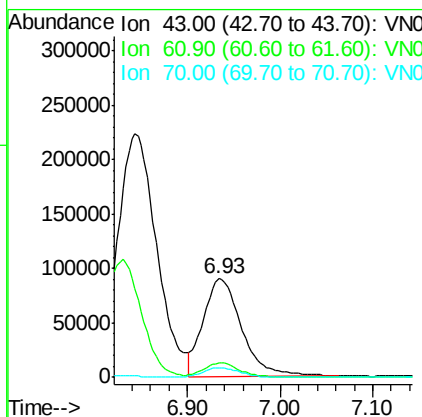
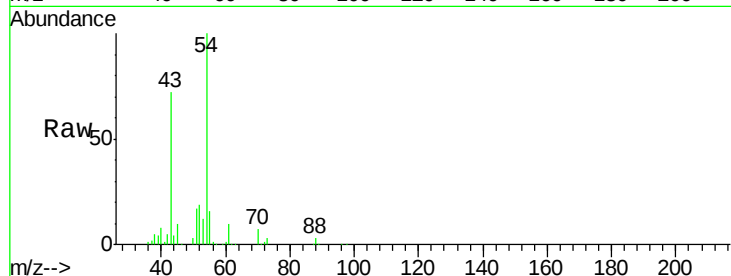
#37
Ethyl Acetate
Concen: 19.253 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.9	16.3
70	9.5	7.0	10.6

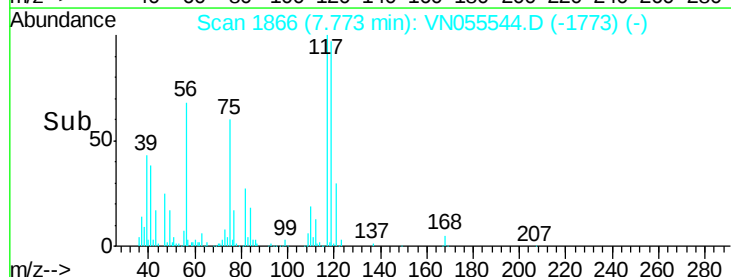
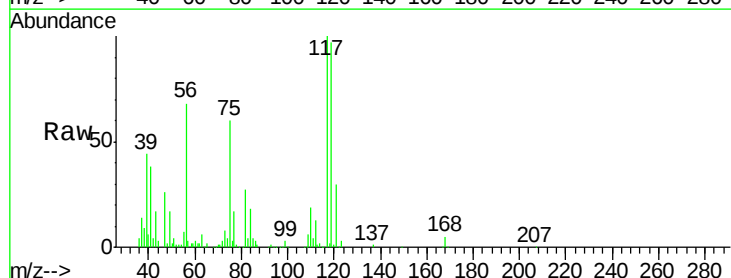
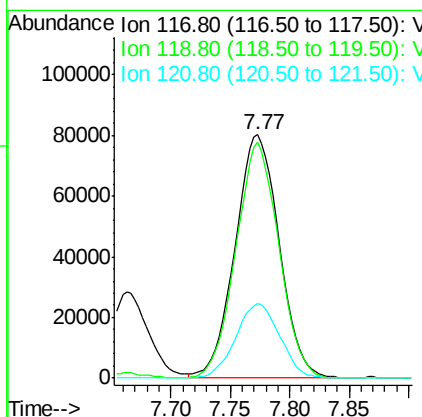
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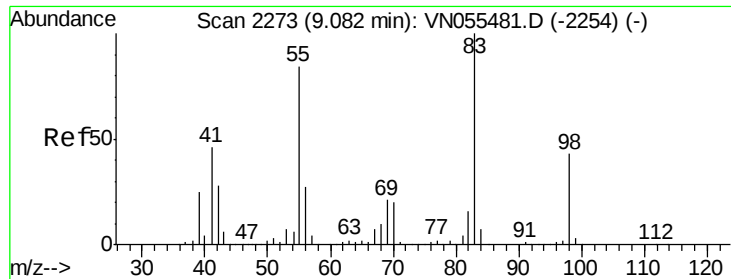
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#38
Carbon Tetrachloride
Concen: 19.793 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.8	116.6
121	30.6	25.2	37.8





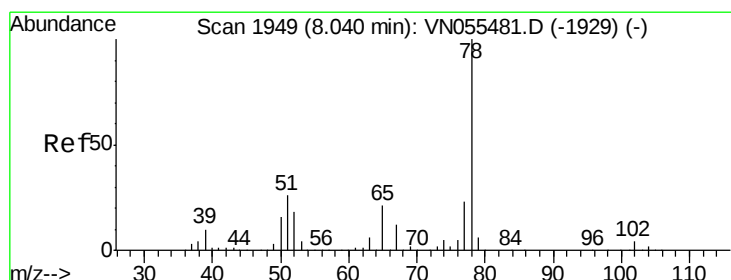
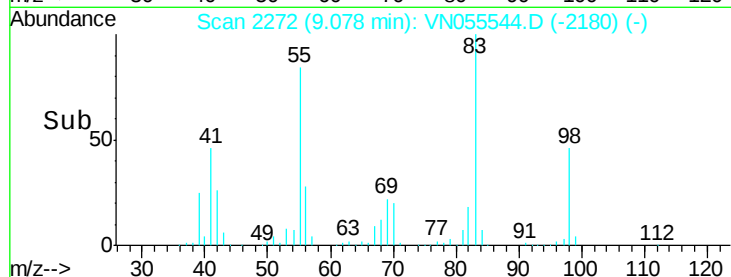
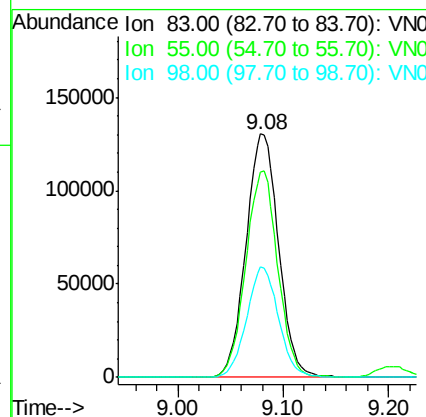
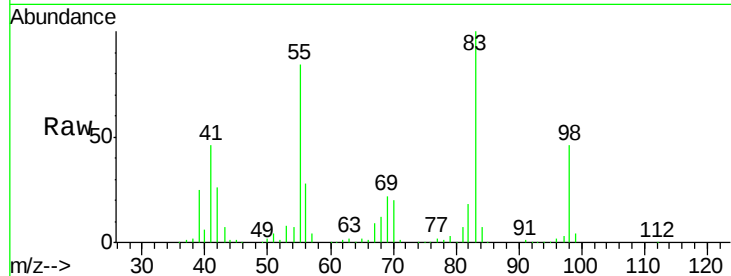
#39
Methvlcvclohexane
Concen: 18.749 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	280464		
55	84.1	67.0	100.4	
98	45.6	34.2	51.4	

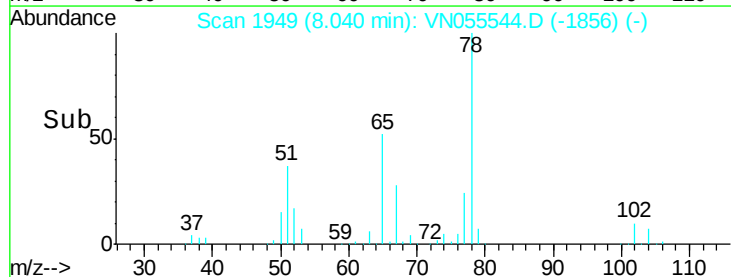
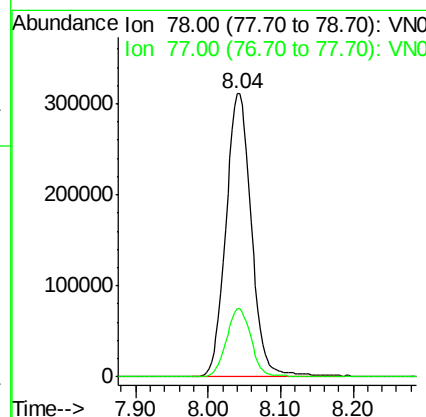
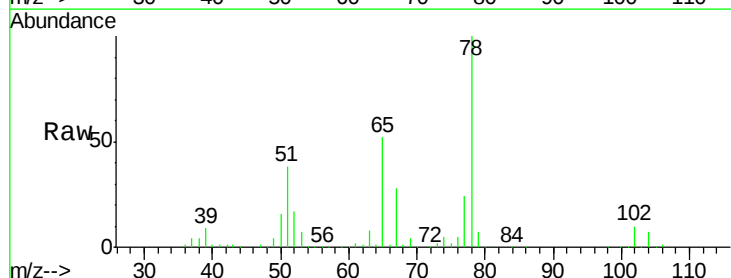
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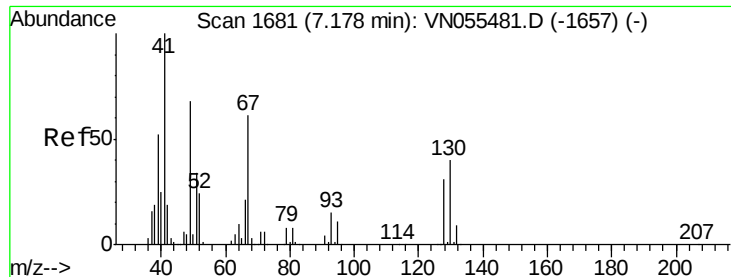
MMDadoda
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#40
Benzene
Concen: 20.011 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	761967		
77	24.4	18.6	27.8	





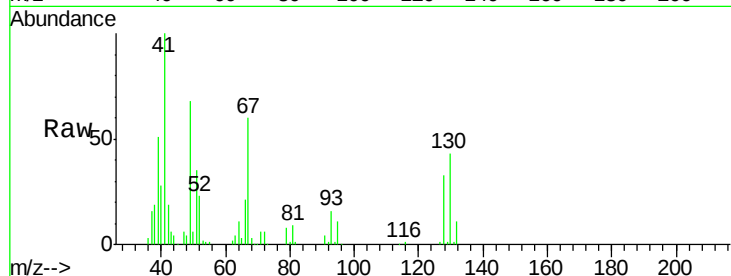
#41
Methacrylonitrile
Concen: 21.937 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

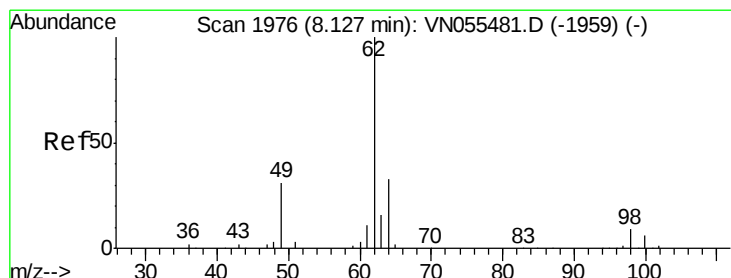
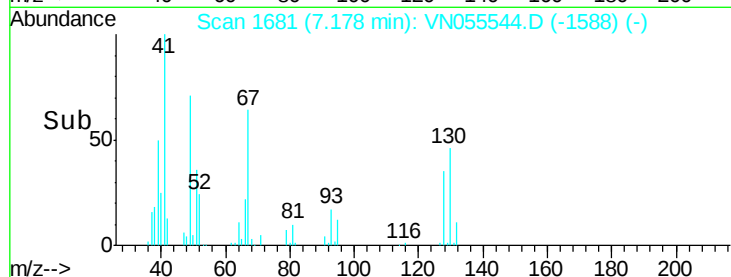
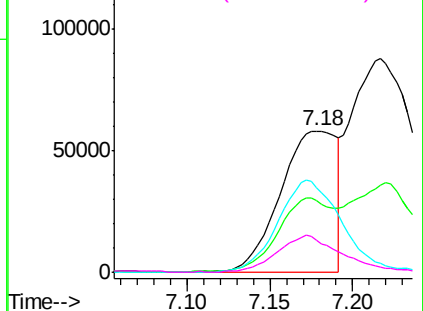
Tot Ion	Ratio	Lower	Upper
41	100		
39	47.8	44.7	67.1
67	75.3	61.4	92.0
52	29.5	25.0	37.4

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MMDadoda
5/11/2019 1:16:42 PM

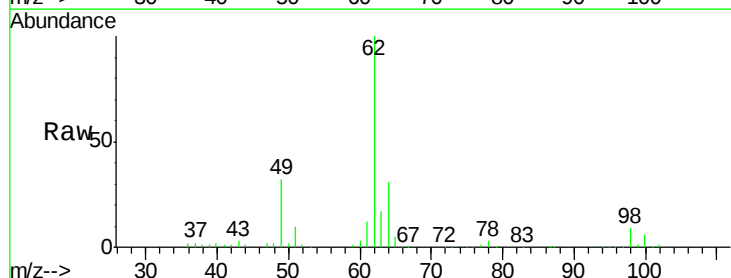


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

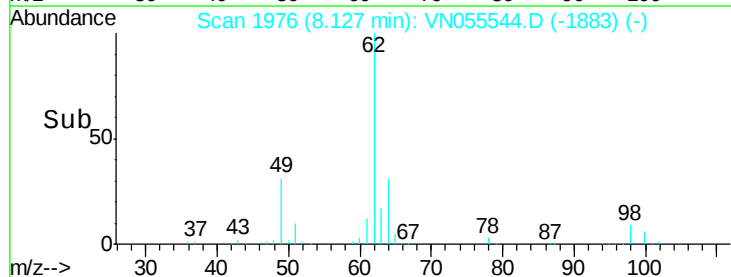
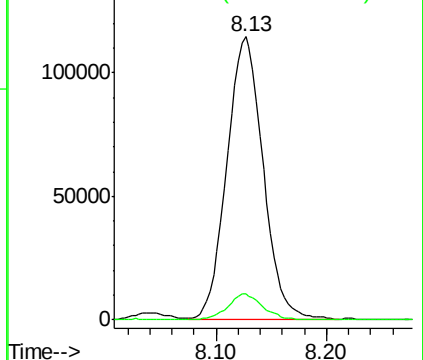


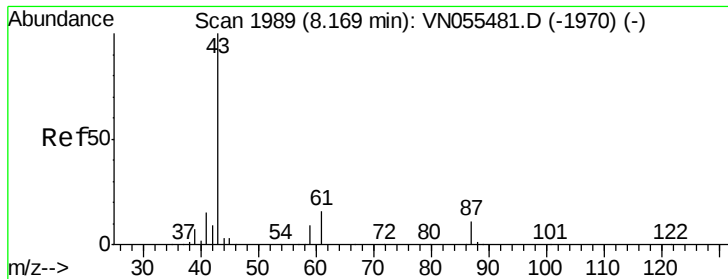
#42
1,2-Dichloroethane
Concen: 19.465 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

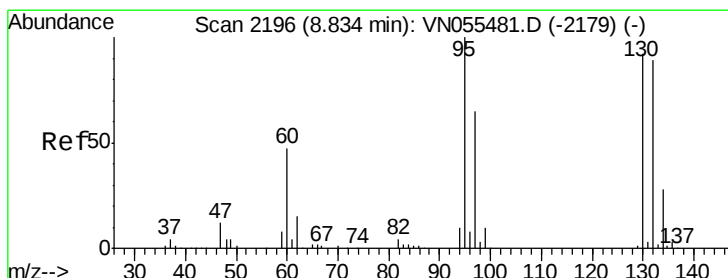
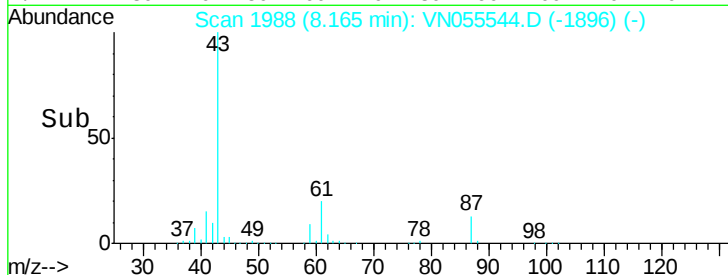
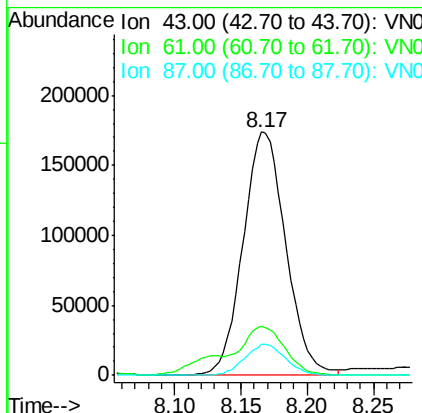
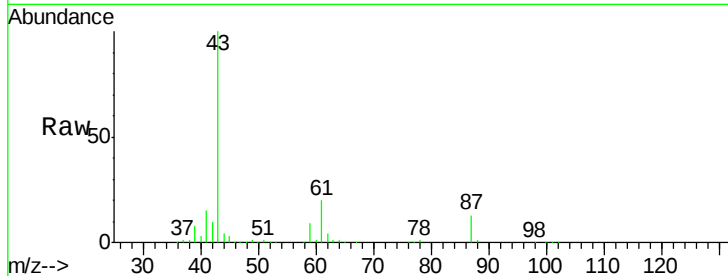
Isopropyl Acetate
 Concen: 18.944 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	12.4	9.0	13.6

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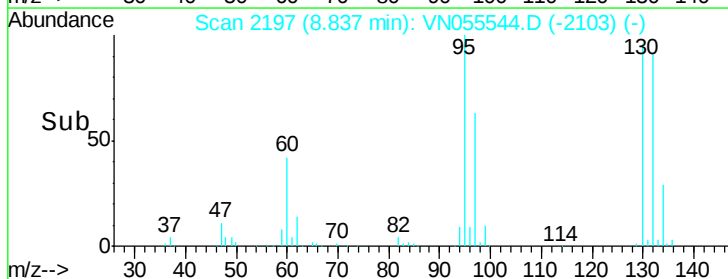
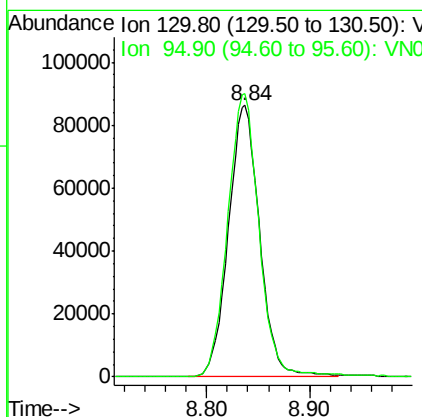
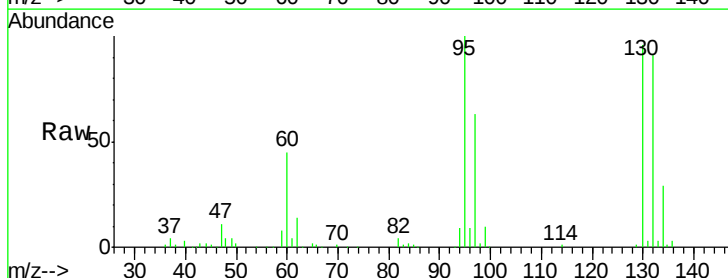
MMDadoda
 5/11/2019 1:16:42 PM

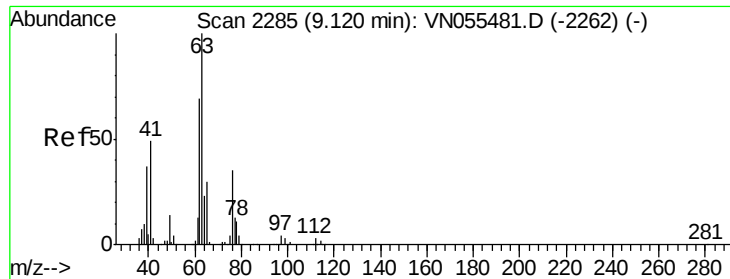


#44

Trichloroethene
 Concen: 20.100 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	216.8





#45

1,2-Dichloropropane

Concen: 19.848 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion: 63 Resp: 216233

Ion Ratio Lower Upper

63 100

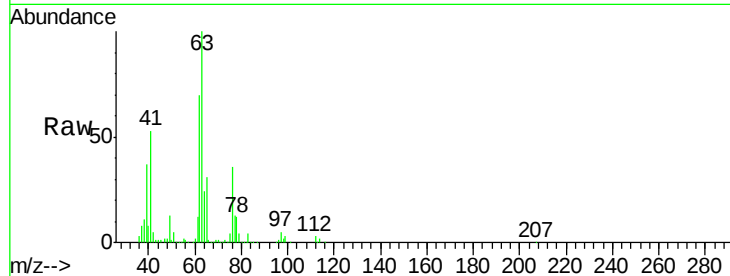
65 31.2 24.1 36.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

120000

100000

80000

60000

40000

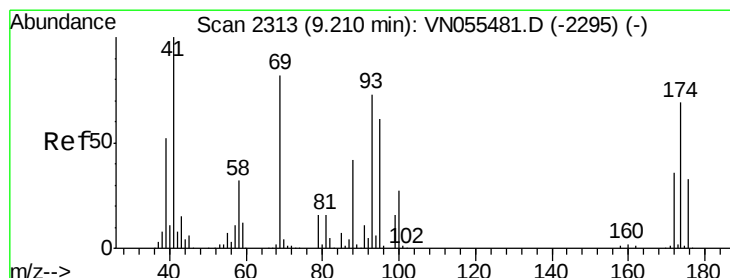
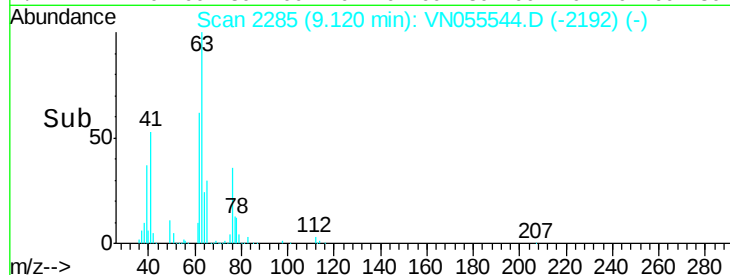
20000

0

9.12

9.10 9.12 9.20

Time-->



#46

Dibromomethane

Concen: 20.005 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

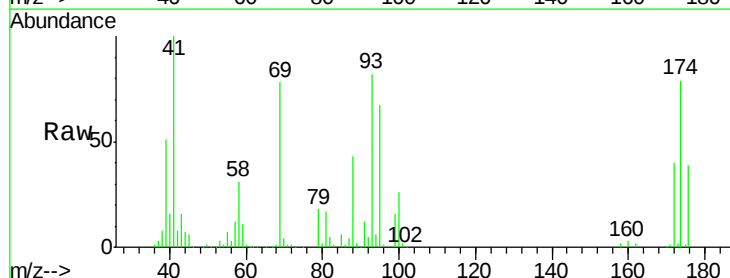
Tgt Ion: 93 Resp: 126327

Ion Ratio Lower Upper

93 100

95 83.0 64.8 97.2

174 95.6 75.0 112.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

60000

40000

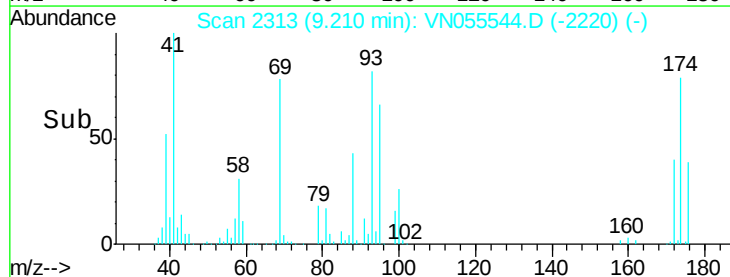
20000

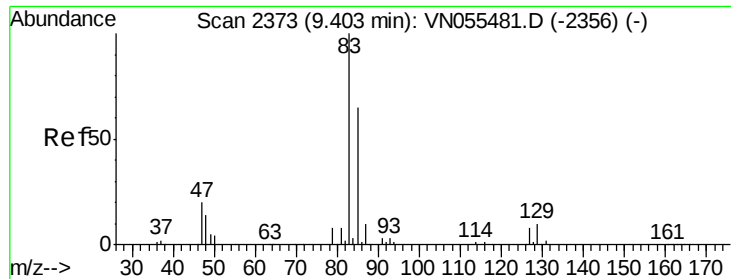
0

9.21

9.10 9.15 9.20 9.25 9.30

Time-->





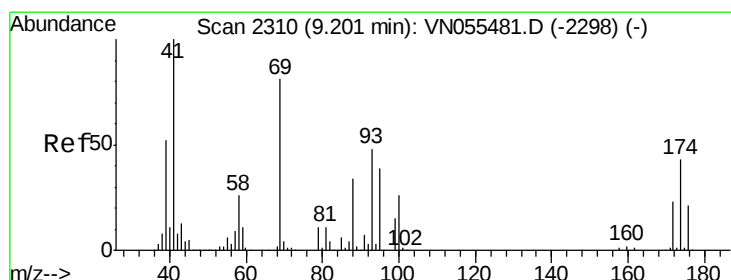
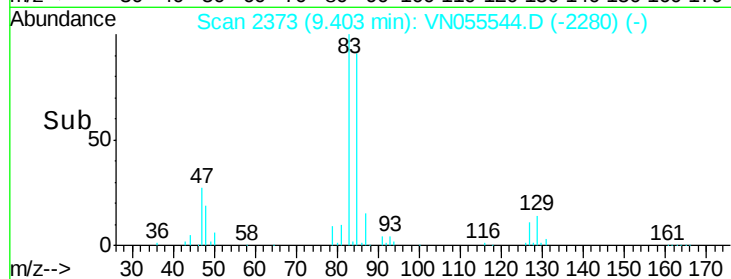
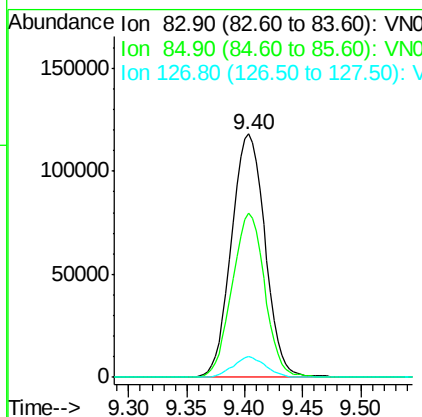
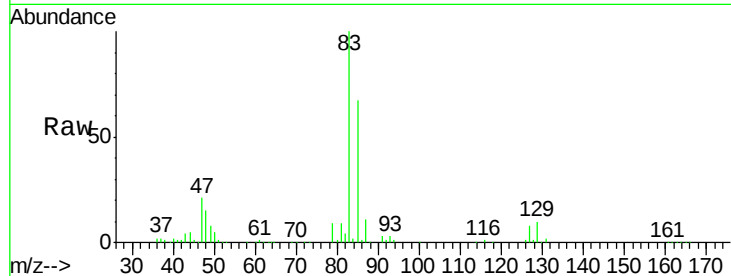
#47
Bromodichloromethane
Concen: 19.723 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	83	Resp	238273
Ion Ratio	100	Lower	Upper
83	100		
85	67.3	52.2	78.2
127	8.3	6.5	9.7

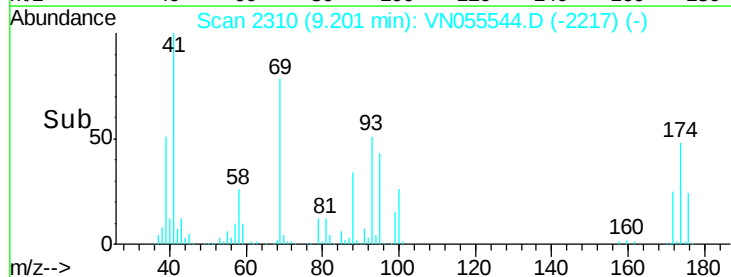
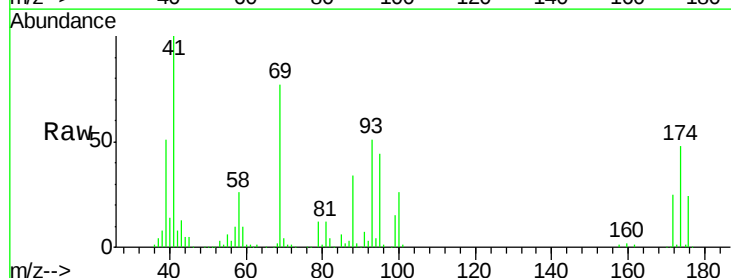
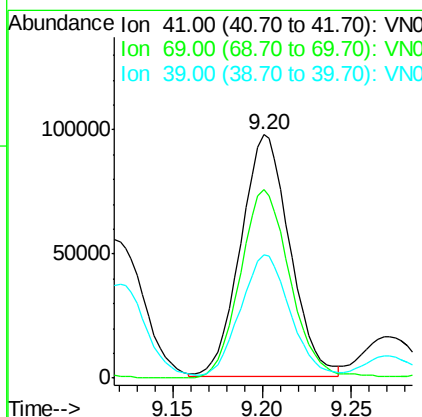
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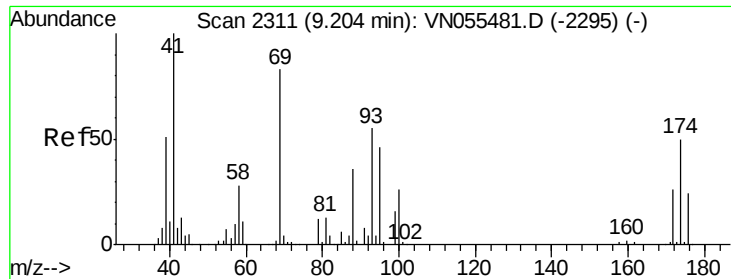
MMDadoda
5/11/2019 1:16:42 PM



#48
Methyl methacrylate
Concen: 19.138 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	41	Resp	187476
Ion Ratio	100	Lower	Upper
41	100		
69	79.3	64.2	96.2
39	51.6	41.6	62.4





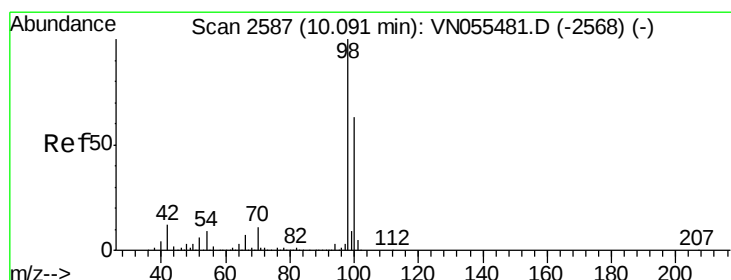
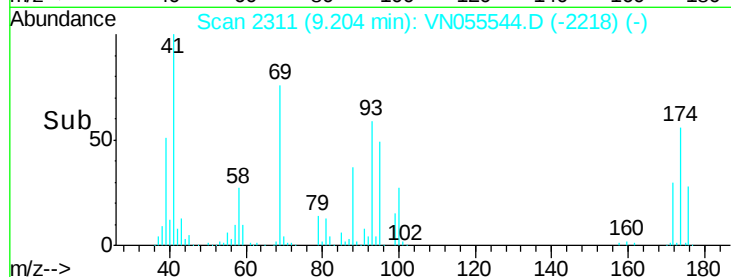
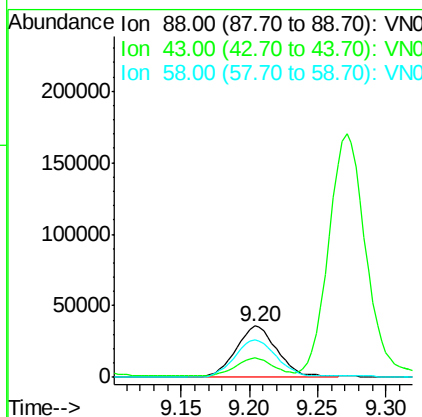
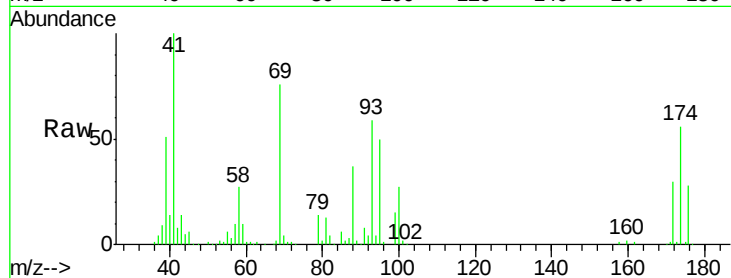
#49
1,4-Dioxane
Concen: 396.954 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	88	Resp	75790
Ion	Ratio	Lower	Upper
88	100		
43	33.1	27.8	41.8
58	75.0	61.8	92.6

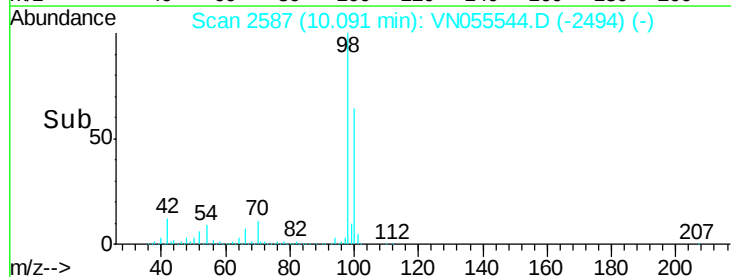
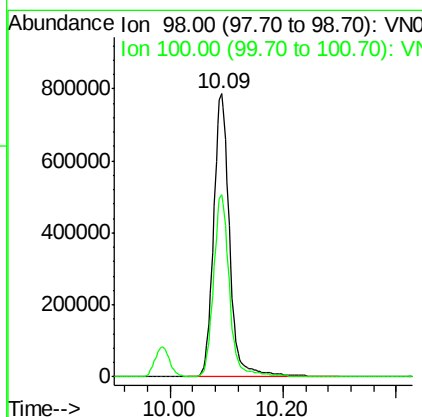
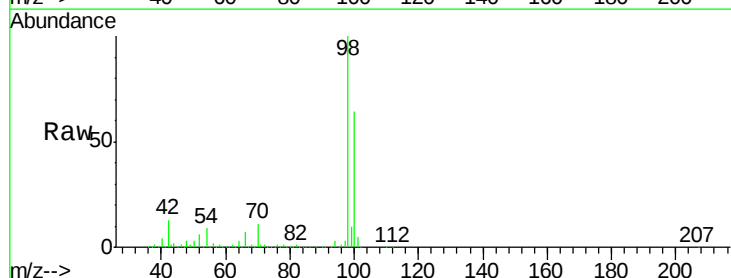
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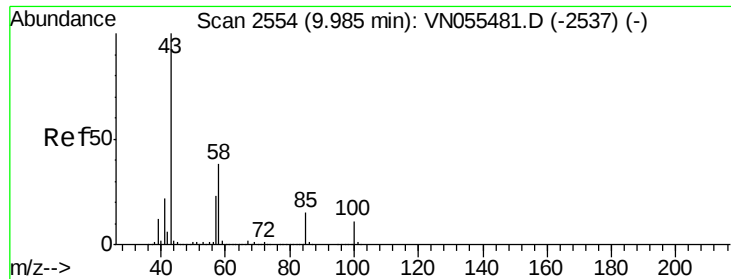
MMDadoda
5/11/2019 1:16:42 PM



#50
Toluene-d8
Concen: 49.236 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	98	Resp	1541337
Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 93.289 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion: 43 Resp: 1247468

Ion Ratio Lower Upper

43 100

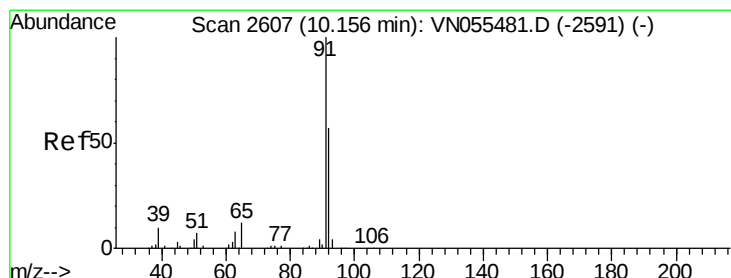
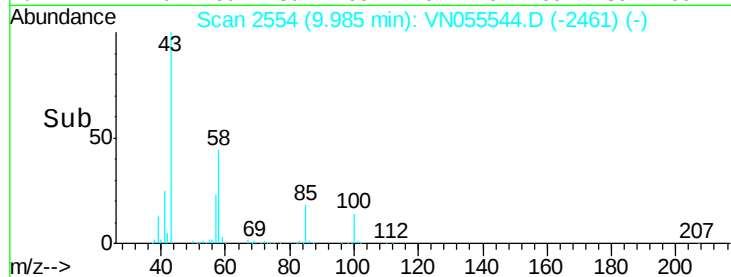
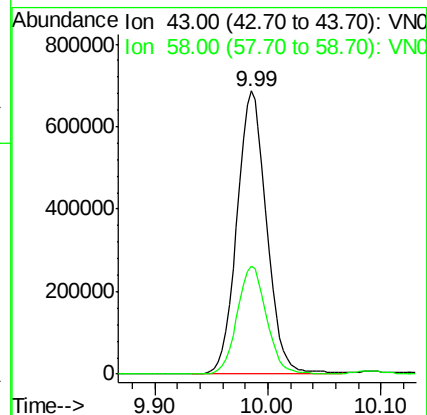
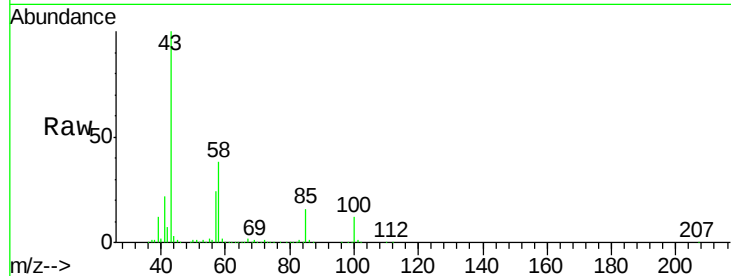
58 38.0 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 20.403 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055544.D

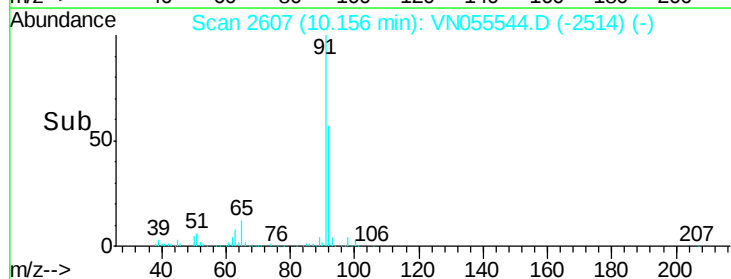
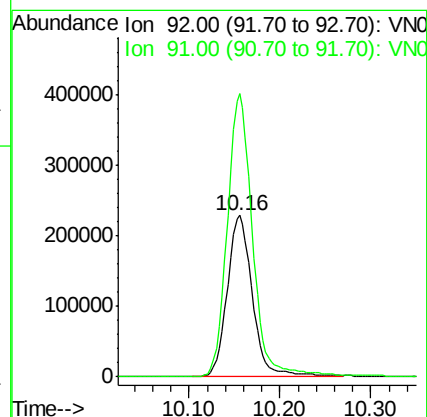
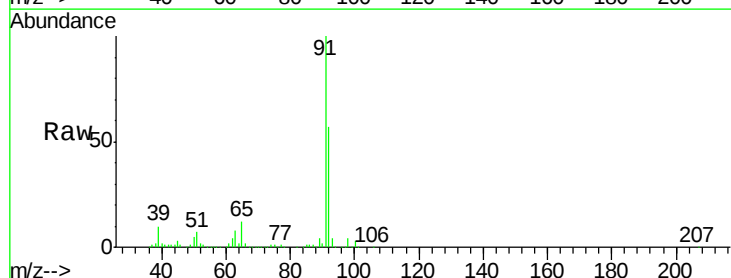
Acq: 10 May 2019 11:56

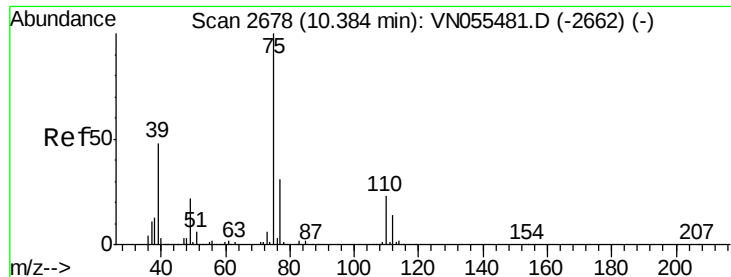
Tgt Ion: 92 Resp: 444135

Ion Ratio Lower Upper

92 100

91 176.1 140.5 210.7





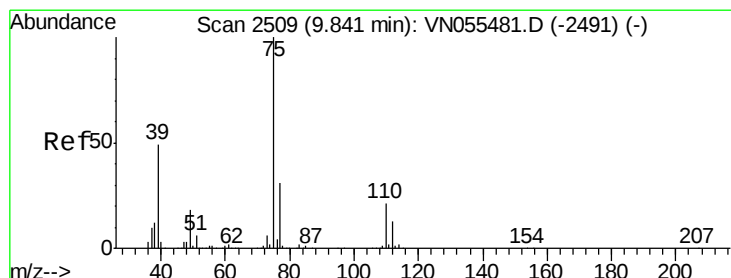
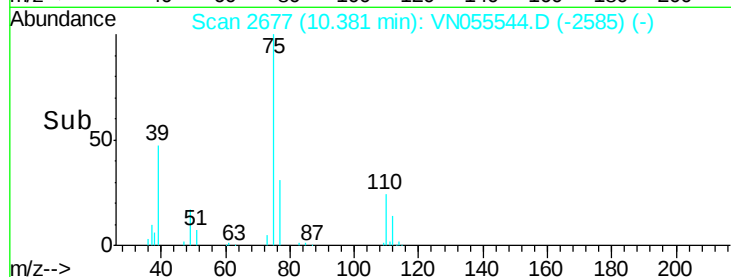
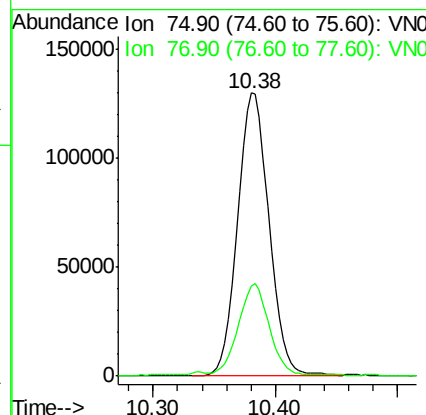
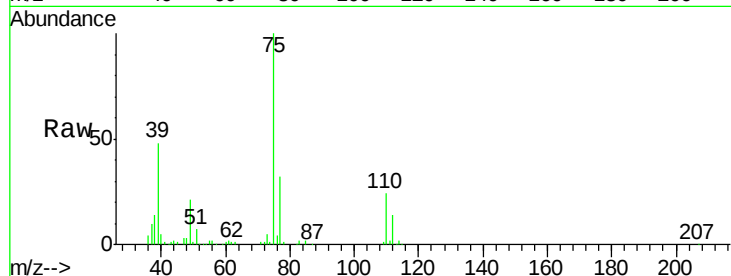
#53
 t-1,3-Dichloropropene
 Concen: 20.044 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0510WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7

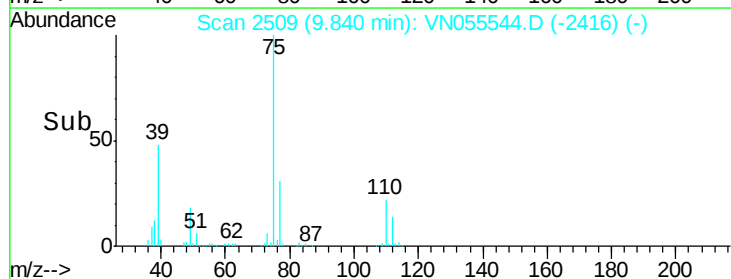
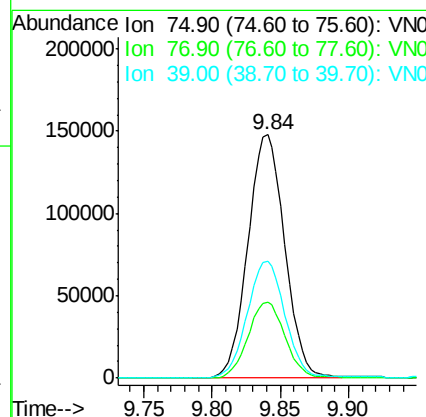
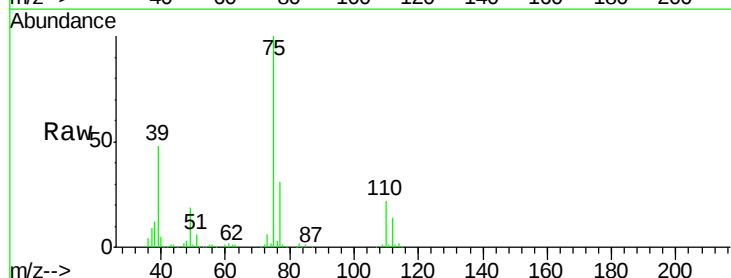
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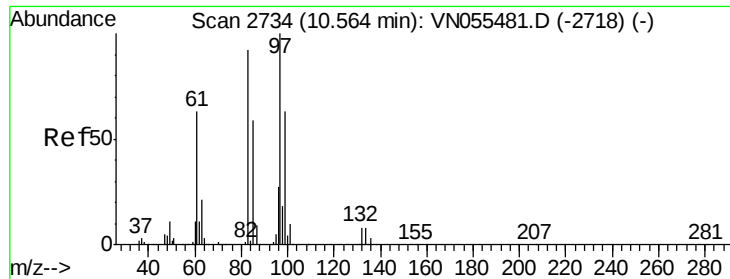
MMDadoda
 5/11/2019 1:16:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.018 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6
39	47.9	39.5	59.3





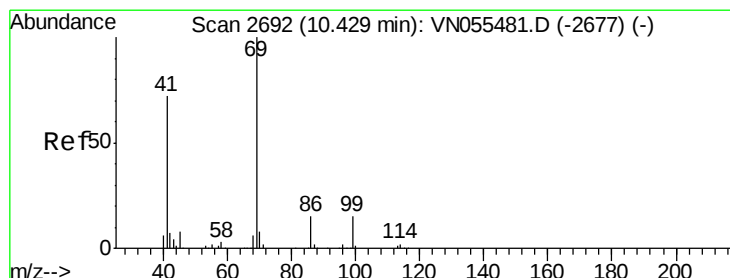
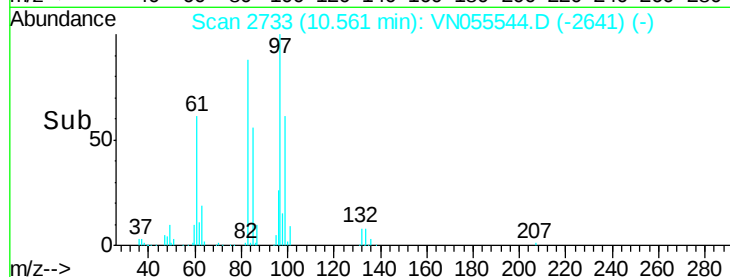
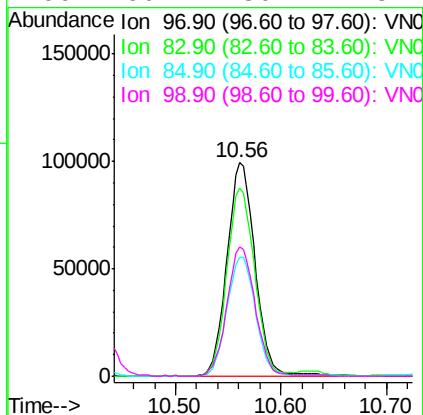
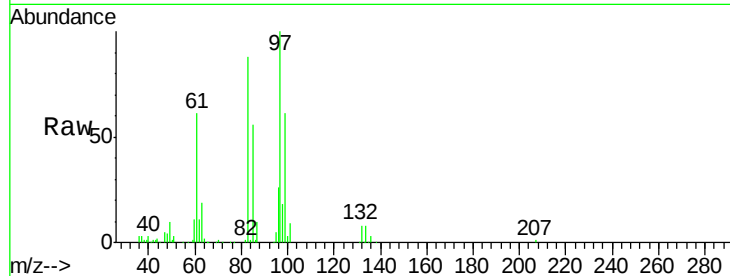
#55
 1,1,2-Trichloroethane
 Concen: 20.816 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

Tot Ion:	97	Resp:	183594
Ion	Ratio	Lower	Upper
97	100		
83	88.4	73.2	109.8
85	55.9	47.5	71.3
99	60.7	50.2	75.2

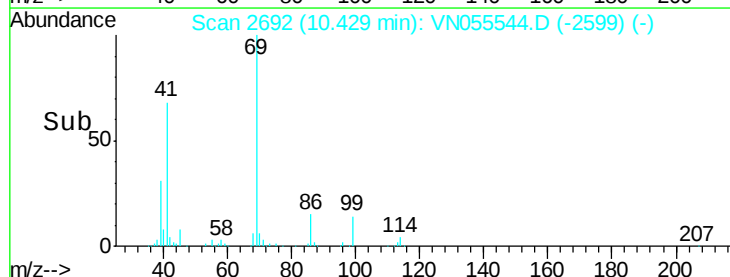
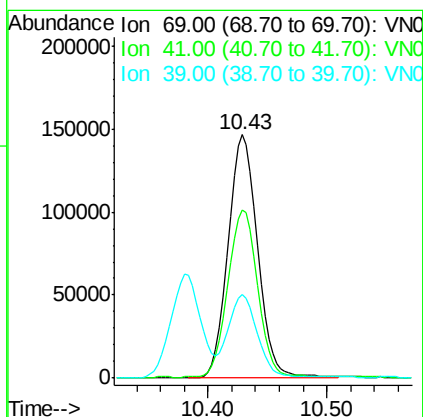
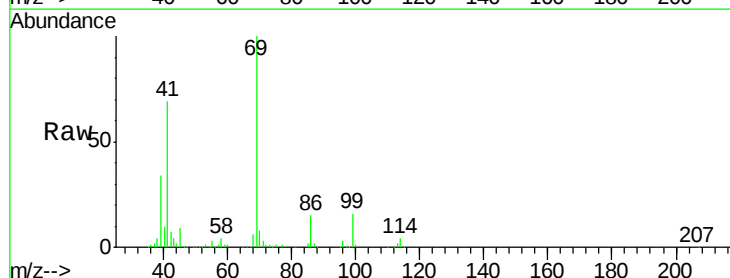
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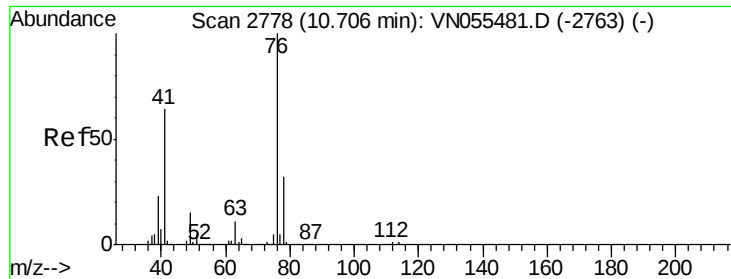
MMDadoda
 5/11/2019 1:16:42 PM



#56
 Ethyl methacrylate
 Concen: 19.248 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Tgt Ion:	69	Resp:	252512
Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.2	84.2
39	33.0	27.8	41.6





#57

1,3-Dichloropropane

Concen: 20.232 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion: 76 Resp: 316792

Ion Ratio Lower Upper

76 100

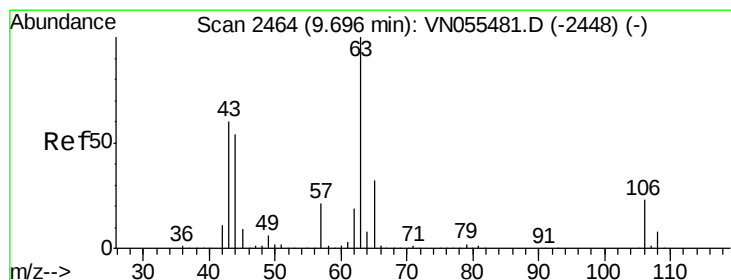
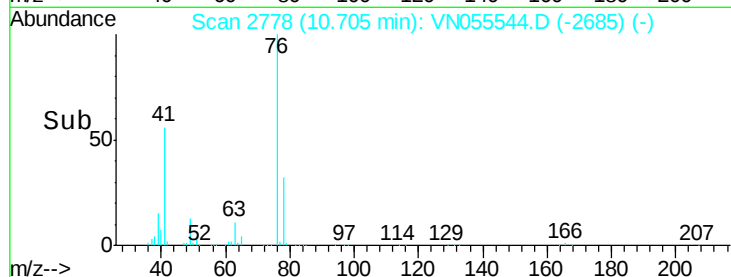
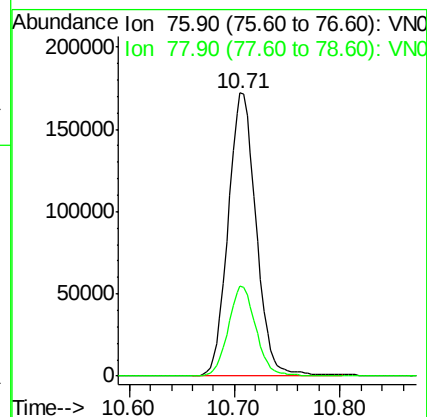
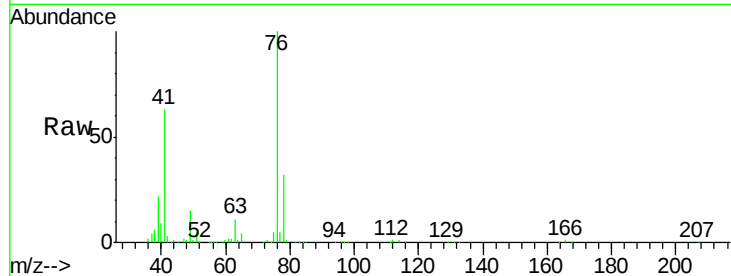
78 31.3 25.8 38.6

Manual Integrations

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MMDadoda

5/11/2019 1:16:42 PM



#58

2-Chloroethyl Vinyl ether

Concen: 82.149 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055544.D

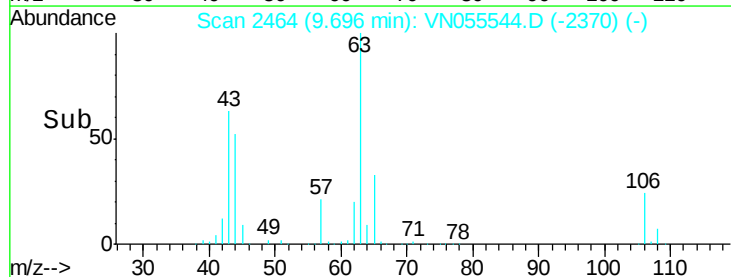
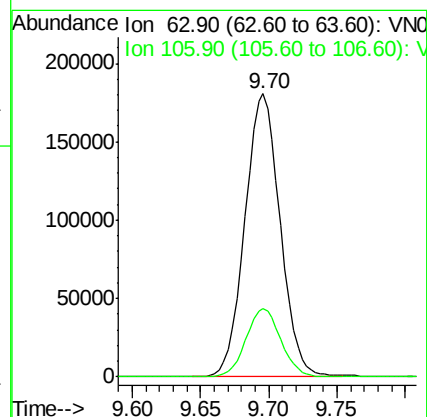
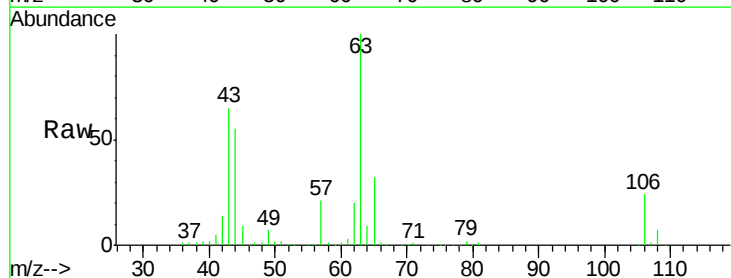
Acq: 10 May 2019 11:56

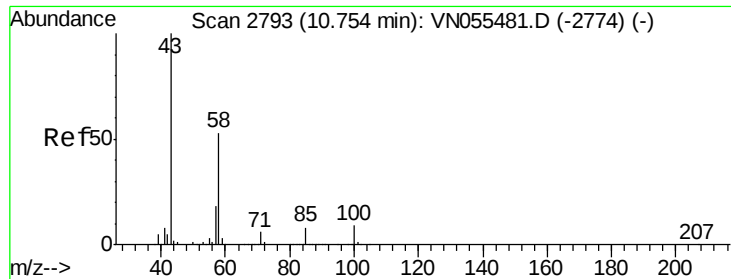
Tgt Ion: 63 Resp: 323737

Ion Ratio Lower Upper

63 100

106 23.9 18.6 27.8





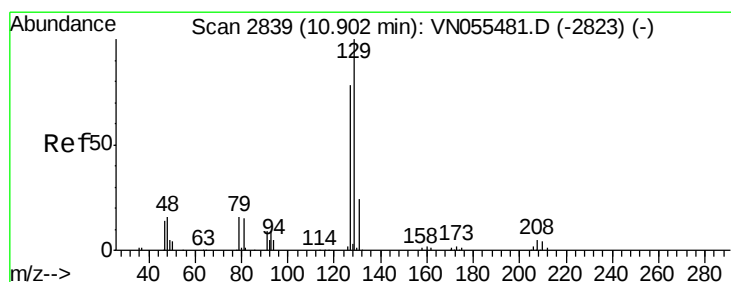
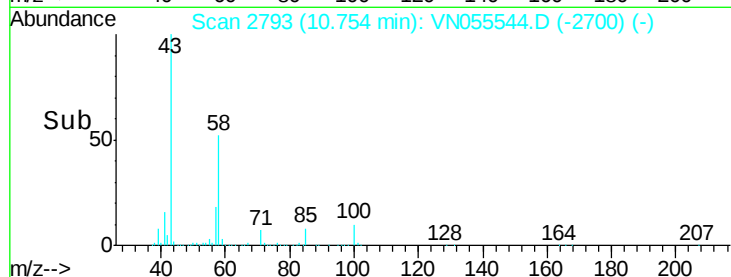
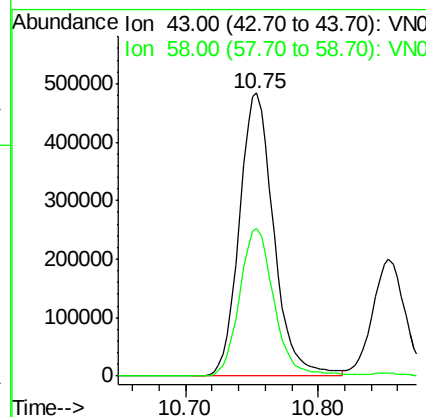
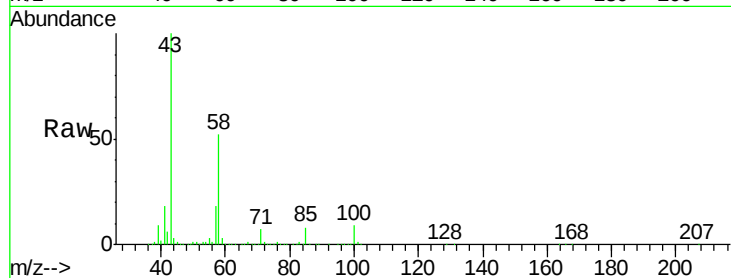
#59
2-Hexanone
Concen: 92.506 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion: 43 Resp: 867504
Ion Ratio Lower Upper
43 100
58 52.5 26.4 79.0

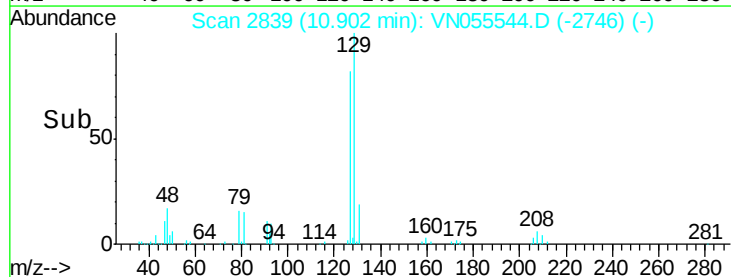
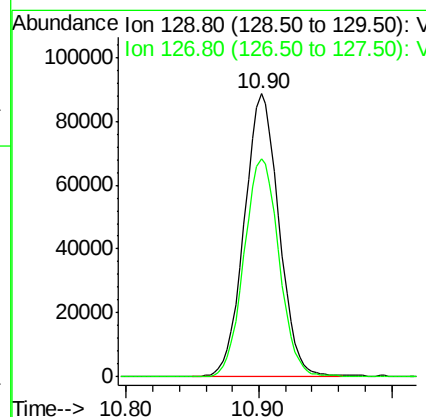
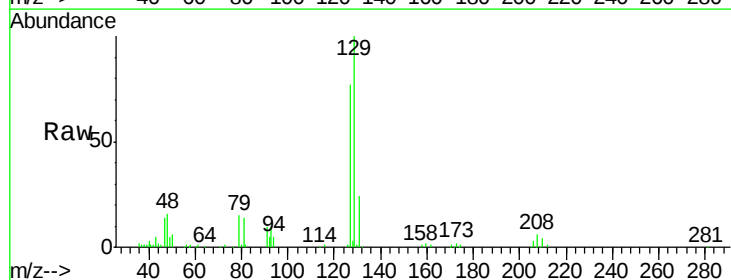
Manual Integrations
APPROVED

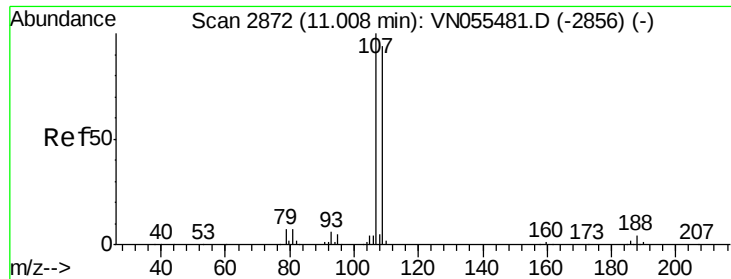
MMDadoda
5/11/2019 1:16:42 PM



#60
Dibromochloromethane
Concen: 20.090 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion: 129 Resp: 161101
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





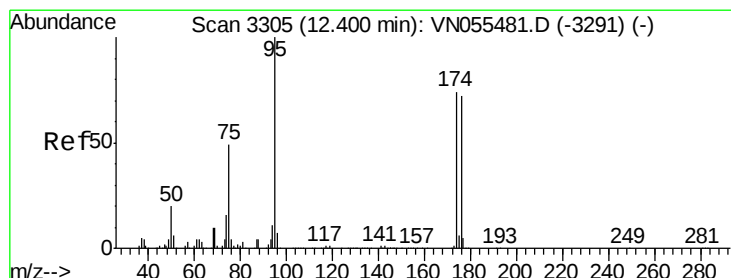
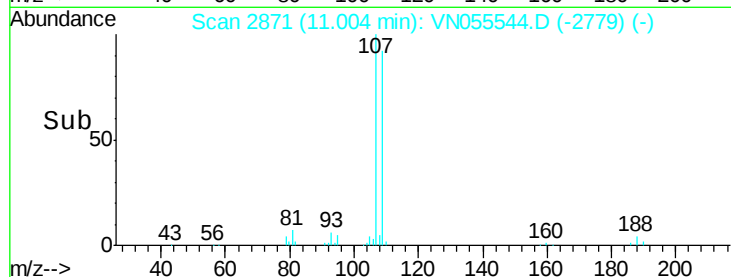
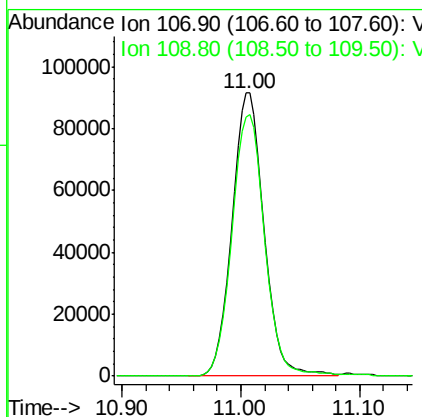
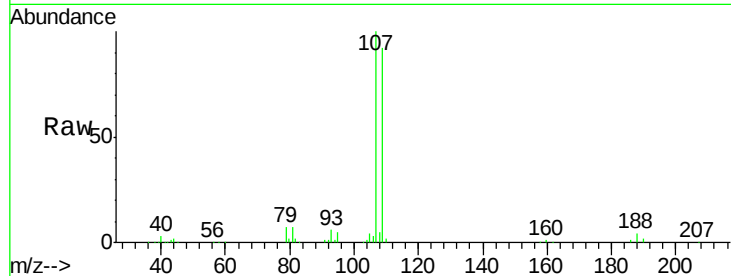
#61
 1,2-Dibromoethane
 Concen: 20.050 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0510WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.2	111.4

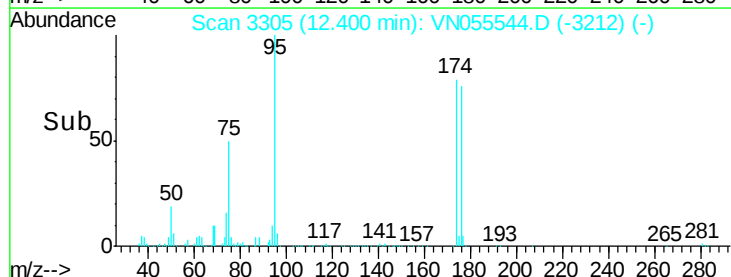
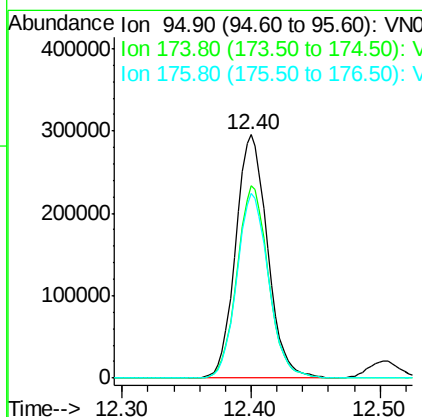
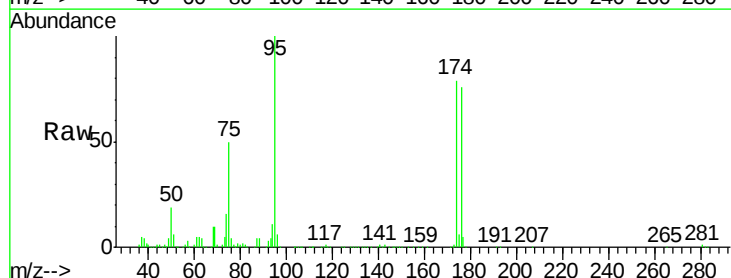
Manual Integrations
 APPROVED

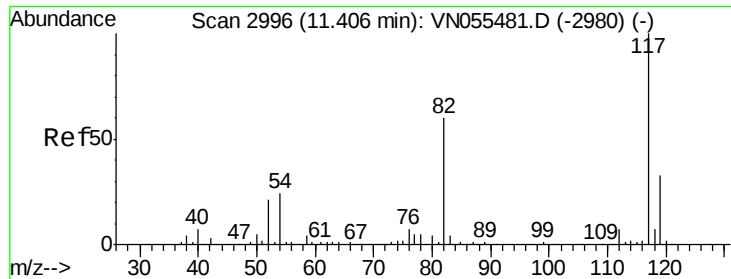
MMDadoda
 5/11/2019 1:16:42 PM



#62
 4-Bromofluorobenzene
 Concen: 48.003 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	152.2
176	75.7	0.0	147.8





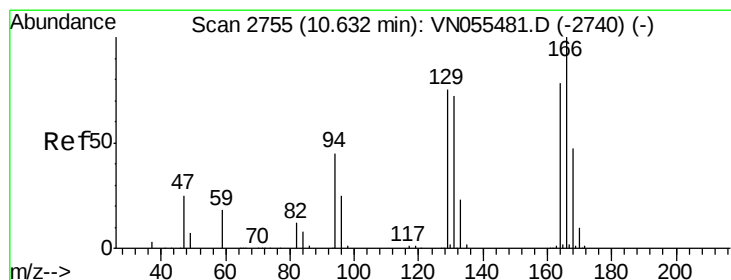
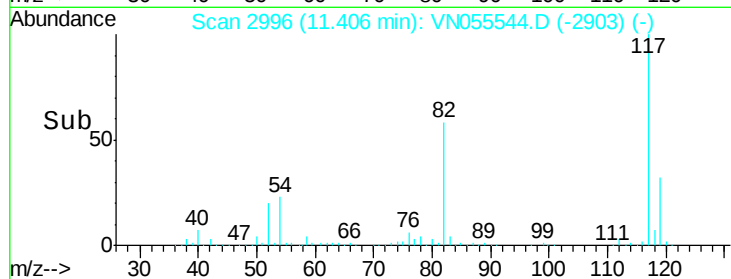
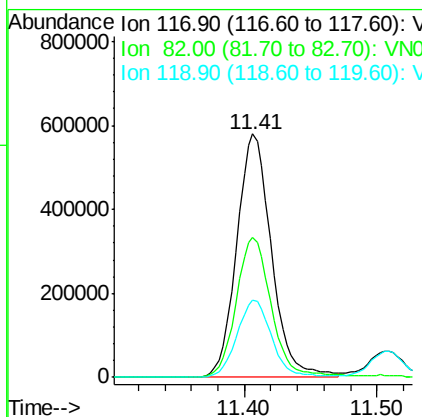
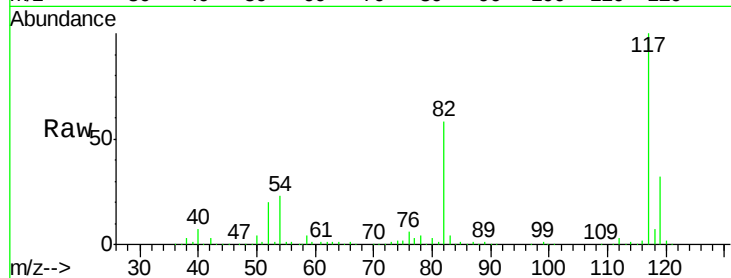
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion:117 Resp: 1056188
Ion Ratio Lower Upper
117 100
82 57.5 48.0 72.0
119 31.9 26.0 39.0

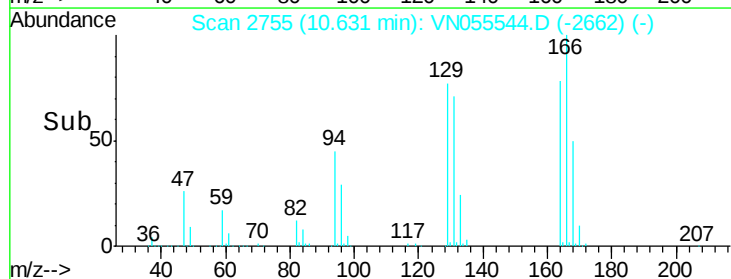
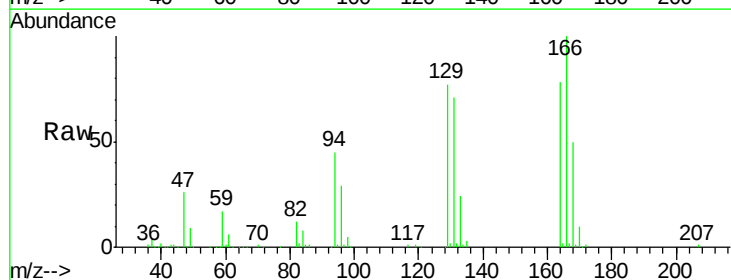
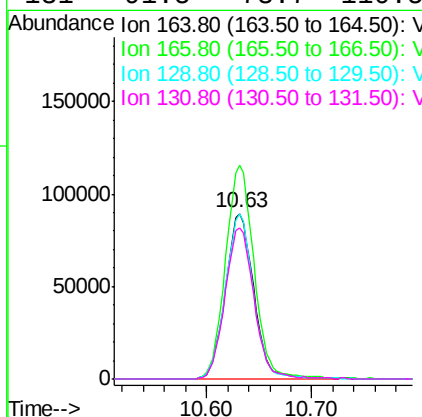
Manual Integrations
APPROVED

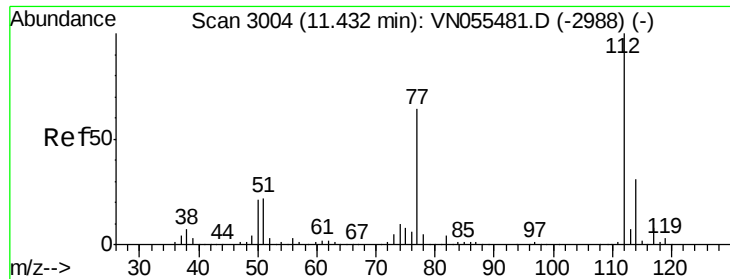
MMDadoda
5/11/2019 1:16:42 PM



#64
Tetrachloroethene
Concen: 19.218 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion:164 Resp: 166317
Ion Ratio Lower Upper
164 100
166 129.0 102.6 153.8
129 99.5 77.0 115.6
131 91.5 73.7 110.5





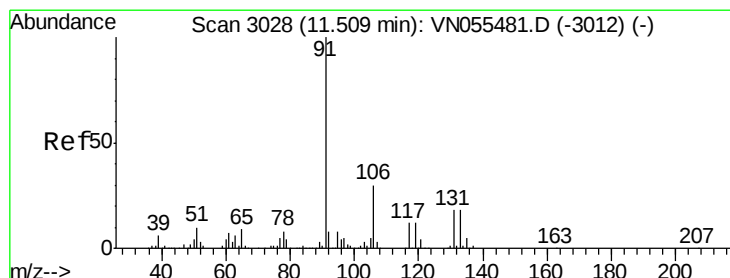
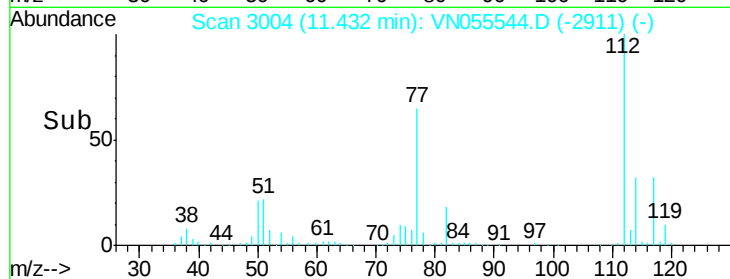
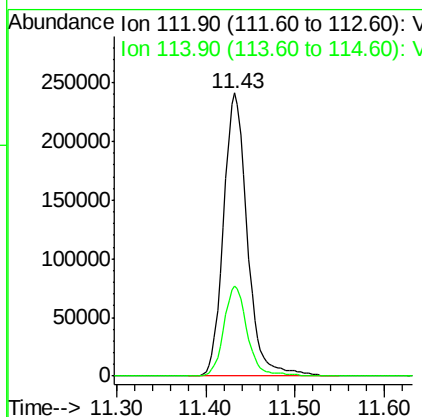
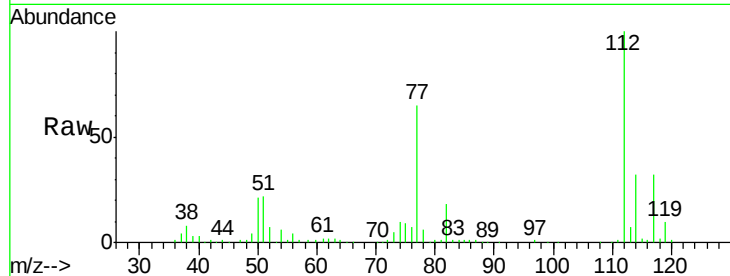
#65
Chlorobenzene
Concen: 20.607 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion:112 Resp: 447786
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4

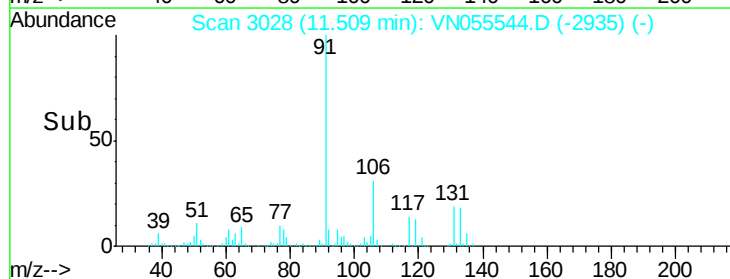
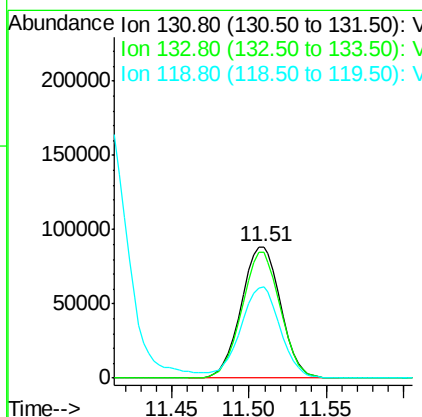
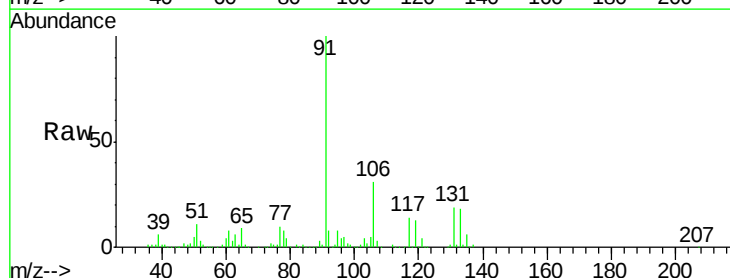
Manual Integrations
APPROVED

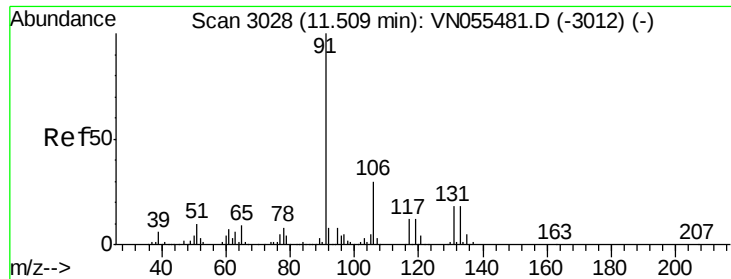
MMDadoda
5/11/2019 1:16:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.005 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion:131 Resp: 157132
Ion Ratio Lower Upper
131 100
133 94.0 47.4 142.2
119 69.9 34.1 102.2





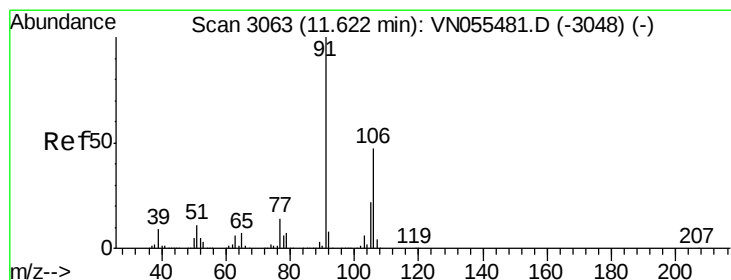
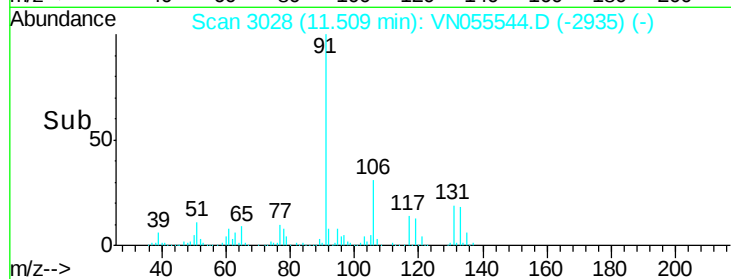
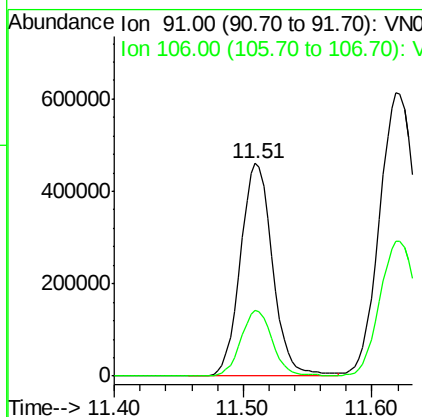
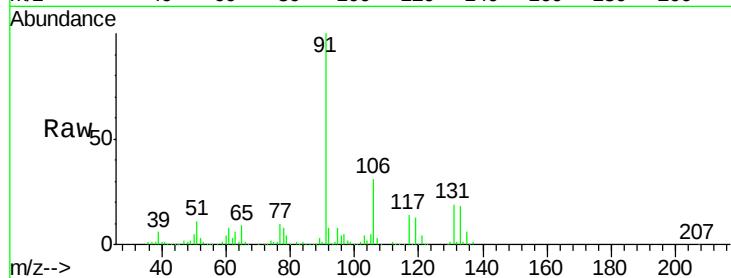
#67
Ethyl Benzene
Concen: 19.635 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion: 91 Resp: 801323
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.6

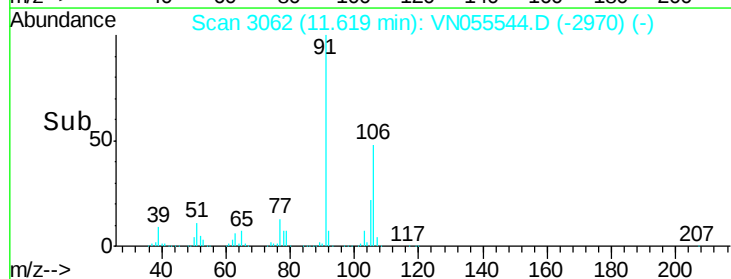
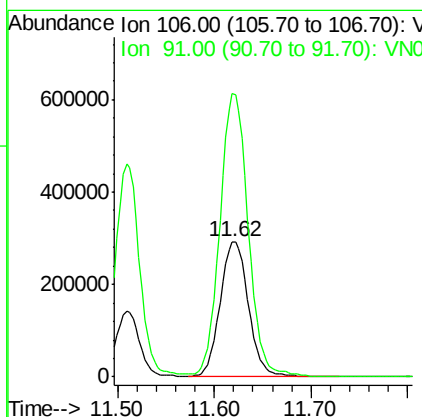
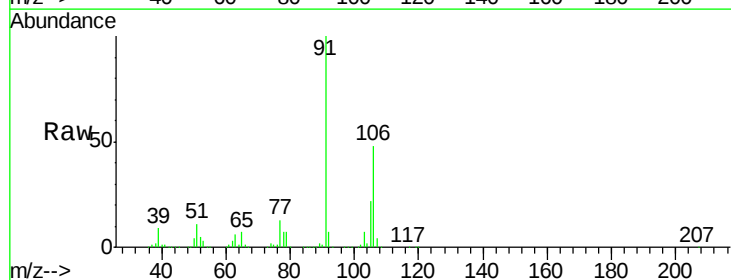
Manual Integrations
APPROVED

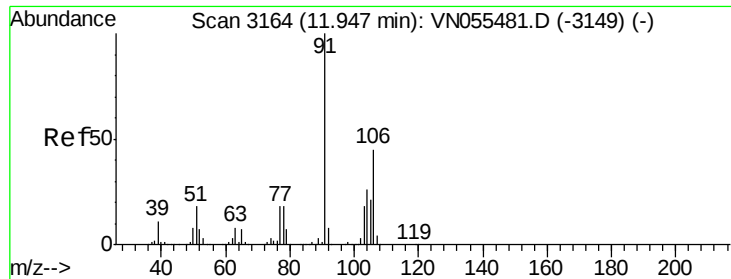
MMDadoda
5/11/2019 1:16:42 PM



#68
m/p-Xylenes
Concen: 40.715 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion: 106 Resp: 596307
Ion Ratio Lower Upper
106 100
91 209.0 169.2 253.8





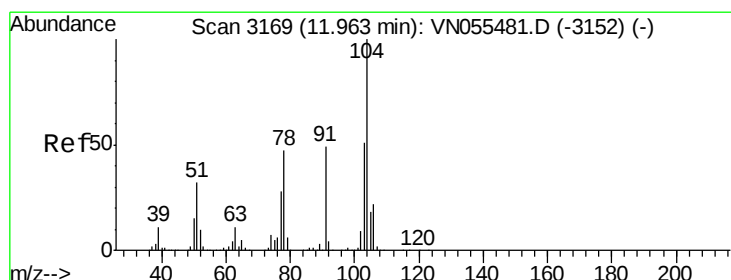
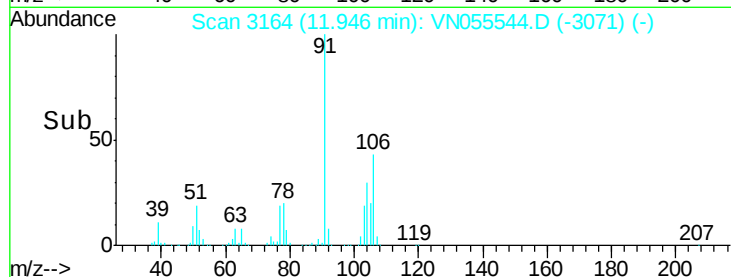
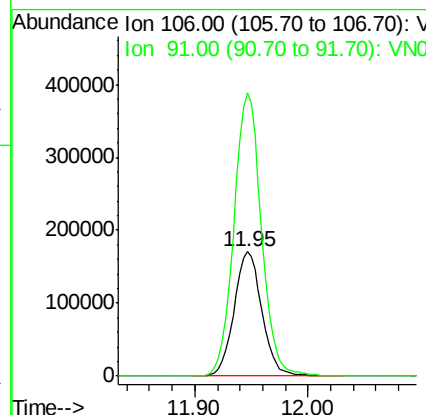
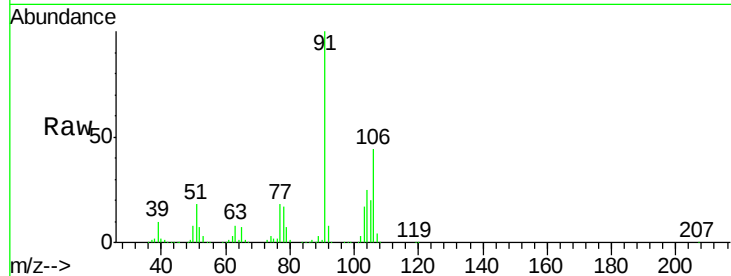
#69
o-Xylene
Concen: 20.275 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	291859		
91	91	224.8	111.3	333.8	

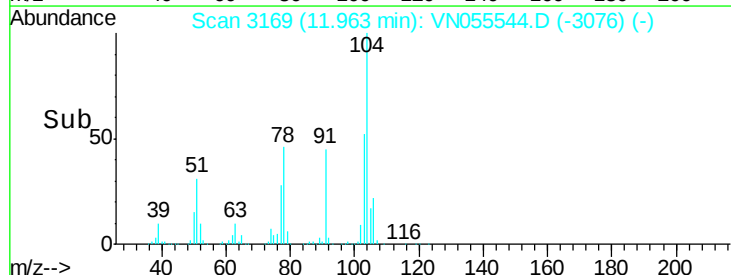
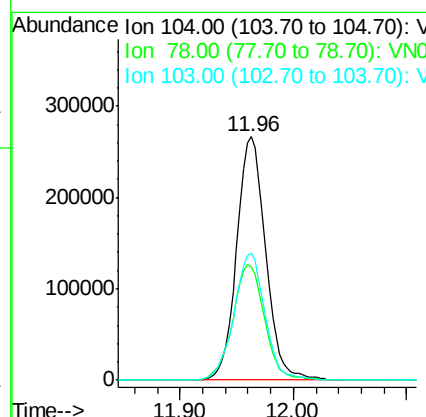
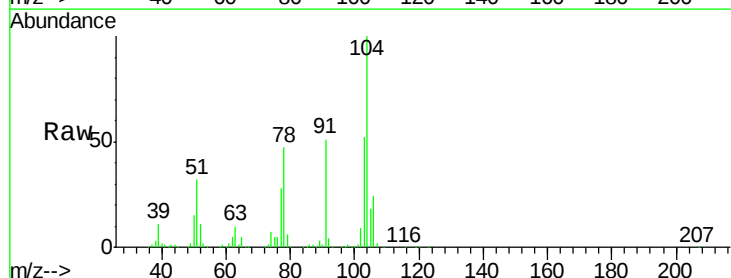
Manual Integrations
APPROVED

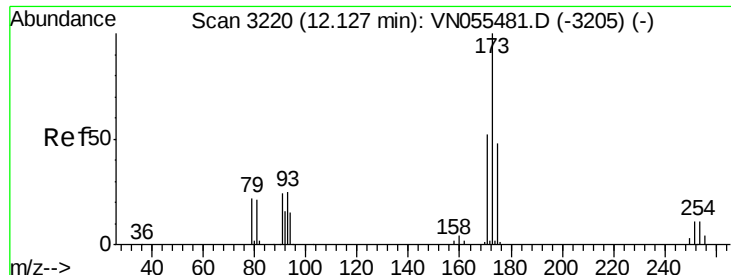
MMDadoda
5/11/2019 1:16:42 PM



#70
Styrene
Concen: 20.658 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	476426		
78	78	52.0	41.6	62.4	
103	103	55.5	44.4	66.6	





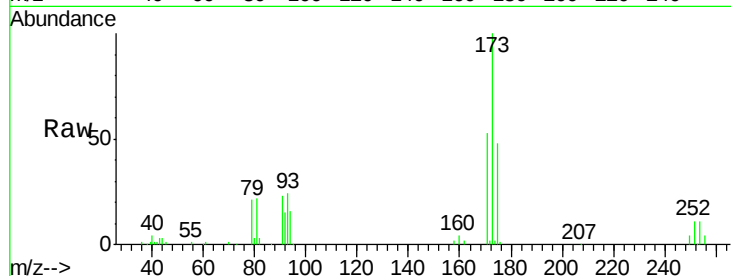
#71
Bromoform
Concen: 20.318 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

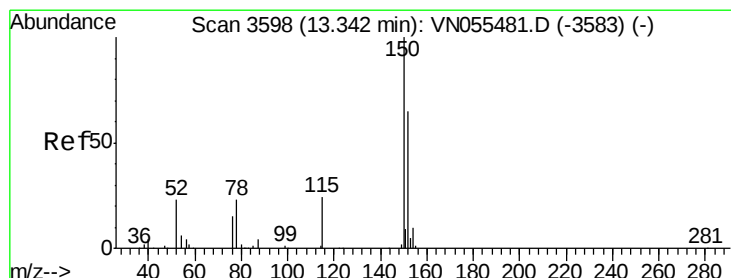
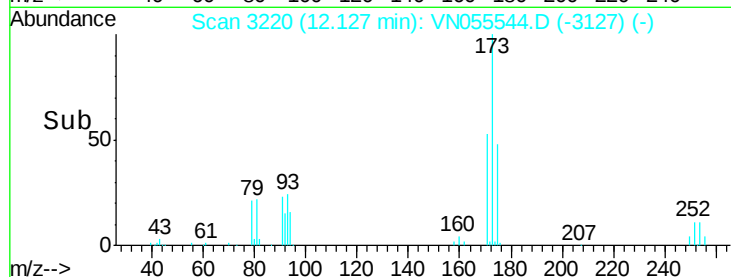
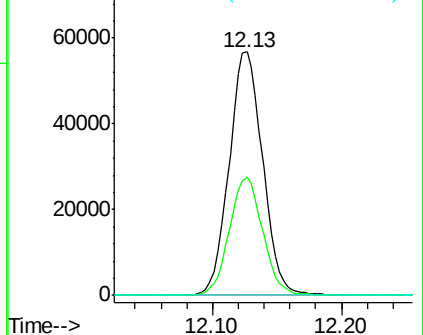
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.4
254	0.1	0.1	0.1

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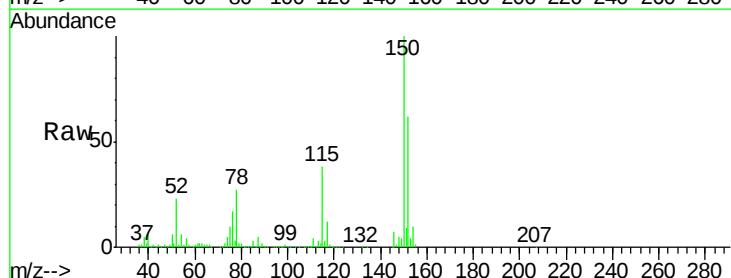


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

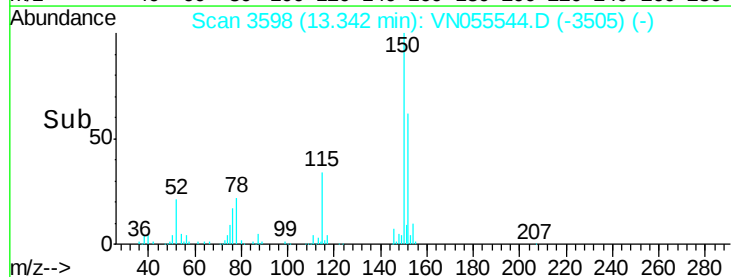
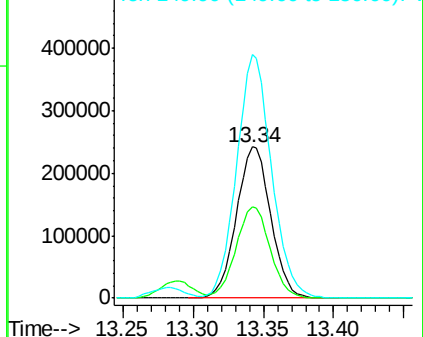


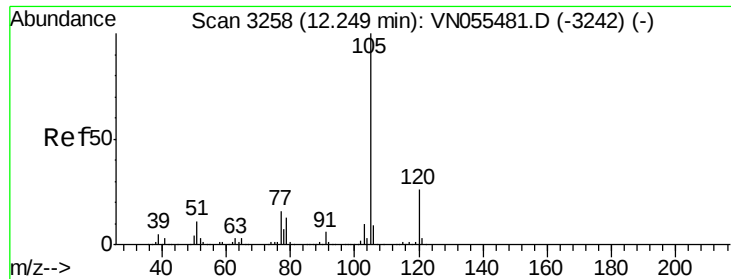
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.5
150	164.4	0.0	355.0



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





#73

Isopropylbenzene

Concen: 21.607 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0510WBS02

Tot Ion:105 Resp: 781922

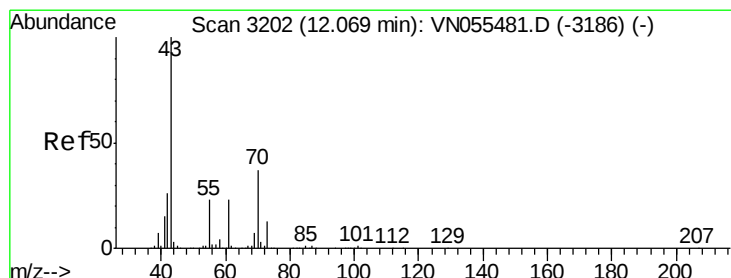
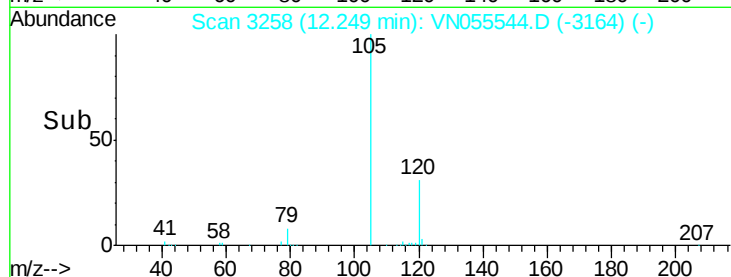
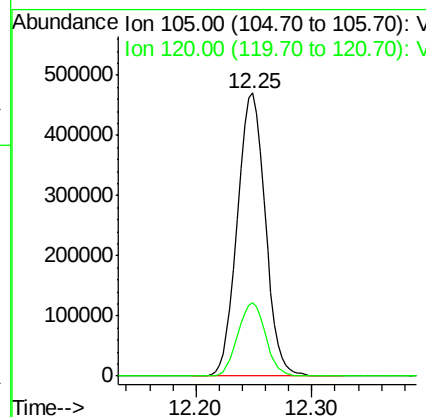
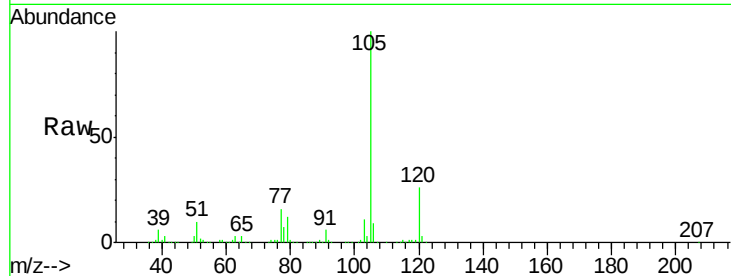
Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.560 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion: 43 Resp: 290150

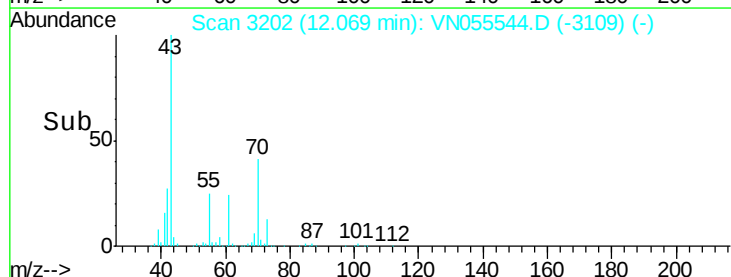
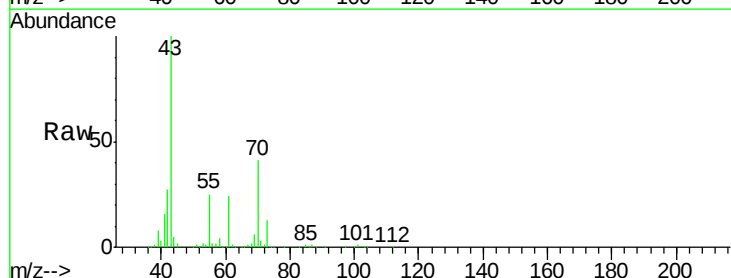
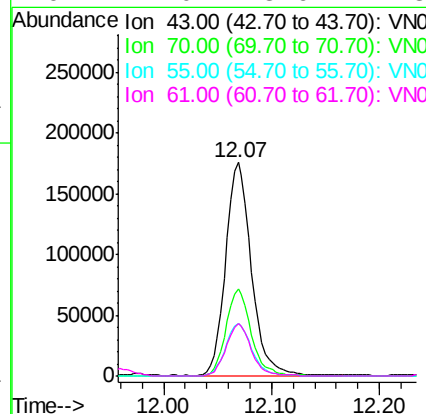
Ion Ratio Lower Upper

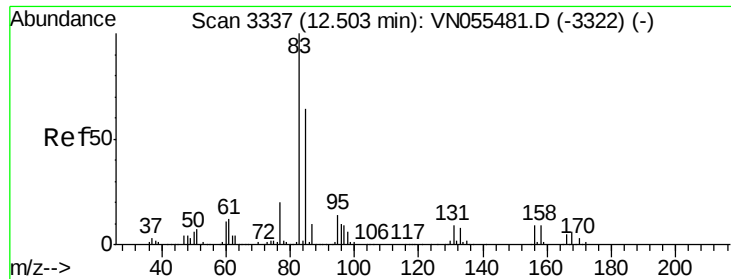
43 100

70 40.0 30.7 46.1

55 25.3 19.3 28.9

61 24.0 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.314 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

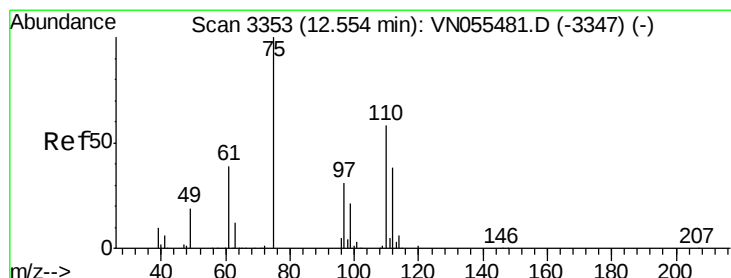
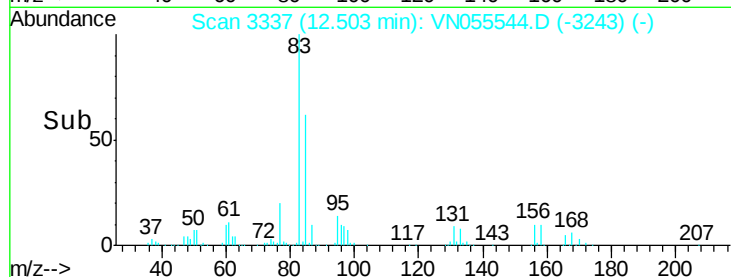
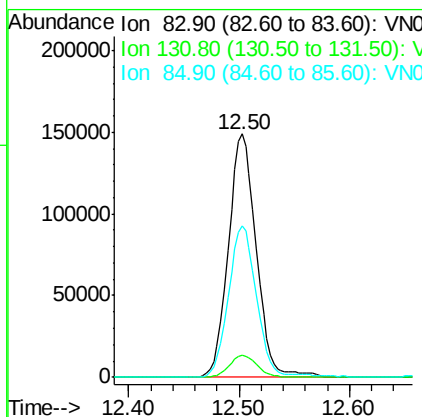
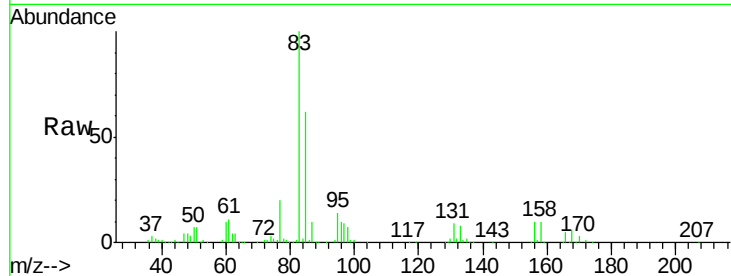
ClientSampleId :

VN0510WBS02

Tot Ion:	83	Resp:	261284
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.5
85	61.7	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.705 ug/l m

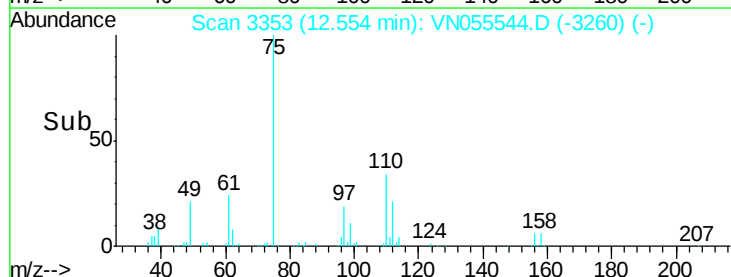
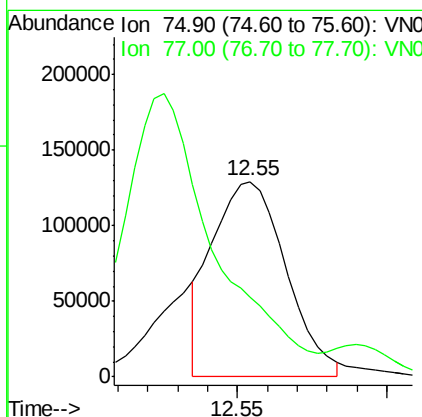
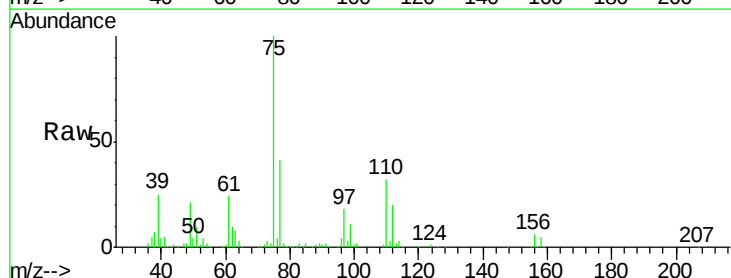
RT: 12.55 min Scan# 3353

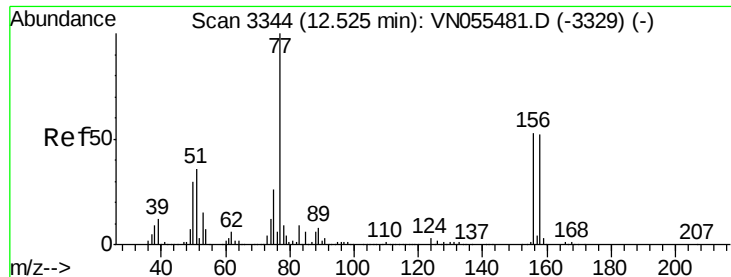
Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion:	75	Resp:	220890
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.644 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

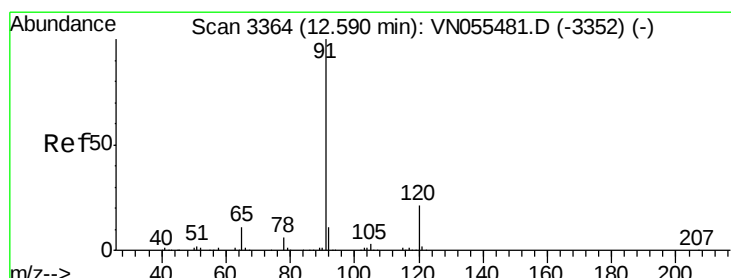
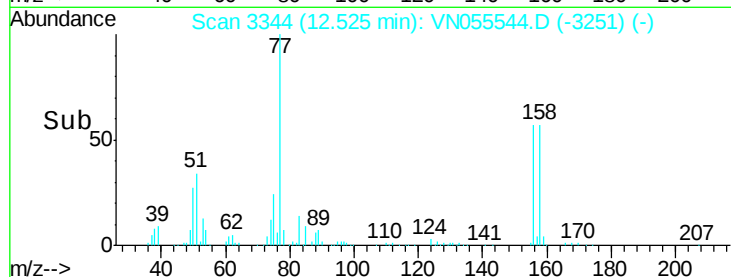
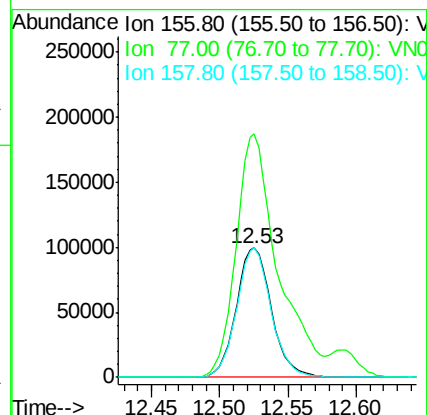
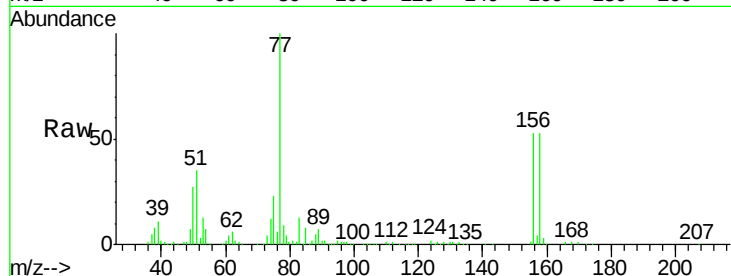
ClientSampled :

VN0510WBS02

Tot Ion:	156	Resp:	178264
Ion Ratio	Lower	Upper	
156	100		
77	223.3	115.4	346.2
158	97.6	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 19.463 ug/l

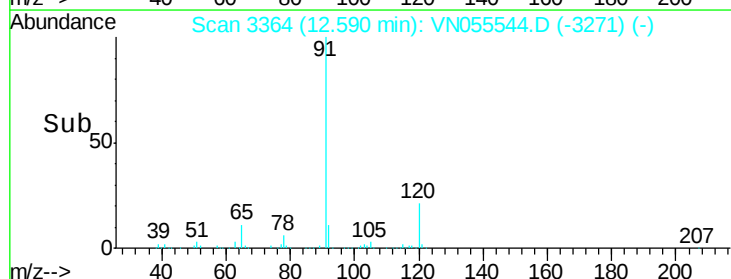
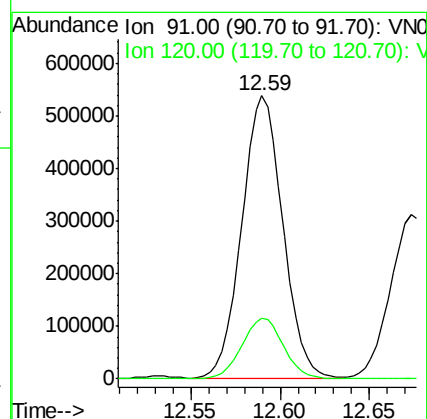
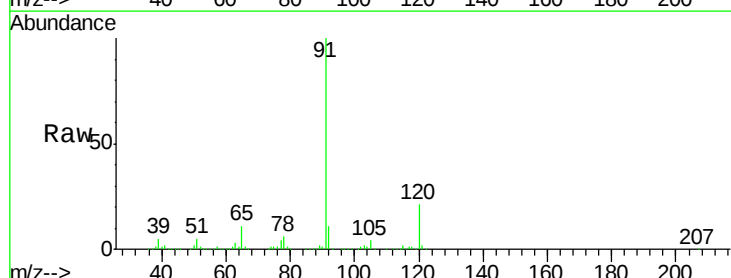
RT: 12.59 min Scan# 3364

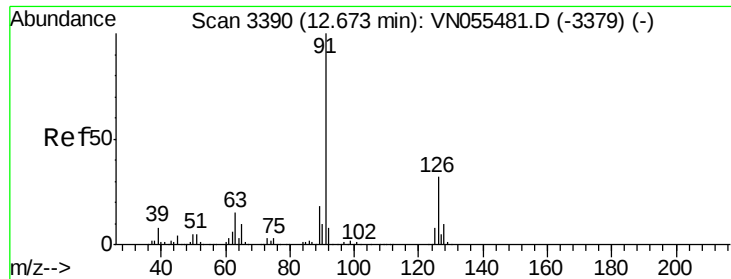
Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion:	91	Resp:	859570
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.8	32.3





#79

2-Chlorotoluene

Concen: 19.194 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion: 91 Resp: 528290

Ion Ratio Lower Upper

91 100

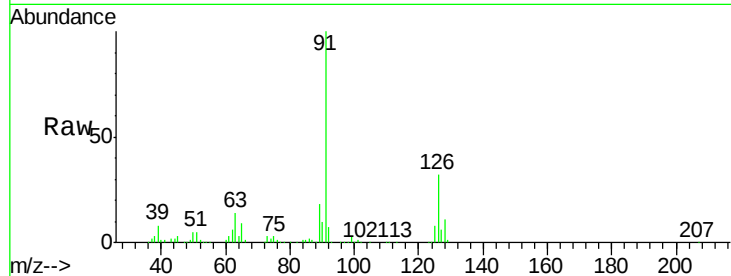
126 32.9 16.0 47.9

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Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055481.D (-3379) (-)

400000

300000

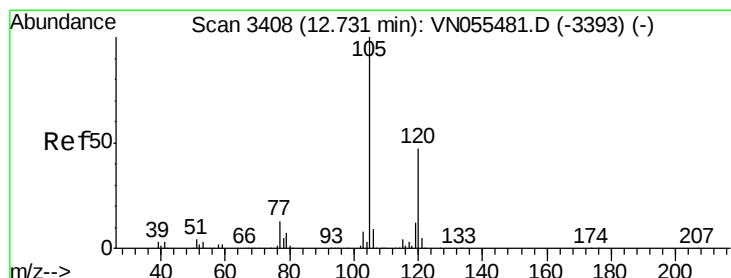
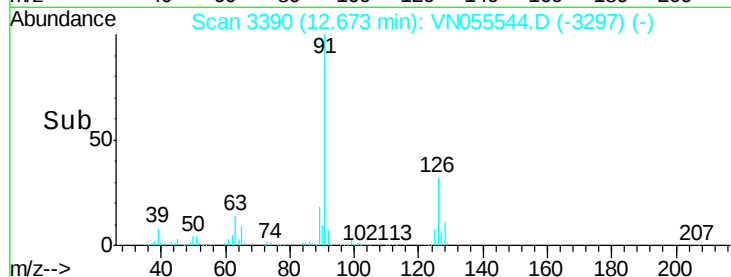
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.818 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055544.D

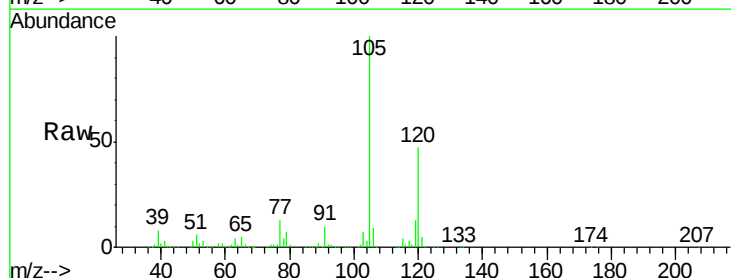
Acq: 10 May 2019 11:56

Tgt Ion: 105 Resp: 652613

Ion Ratio Lower Upper

105 100

120 46.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055481.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055481.D (-3393) (-)

400000

300000

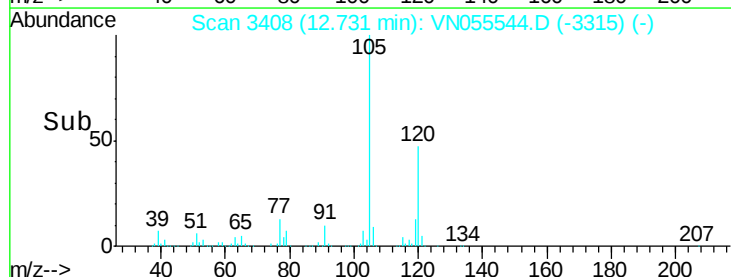
200000

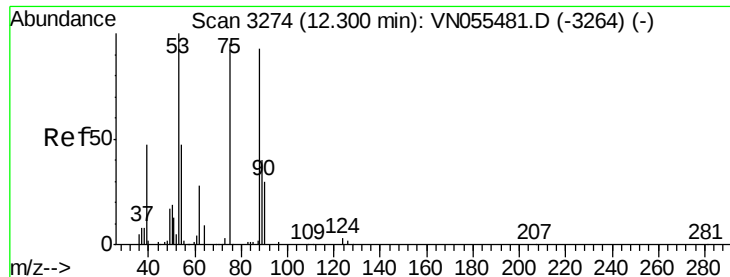
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.652 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

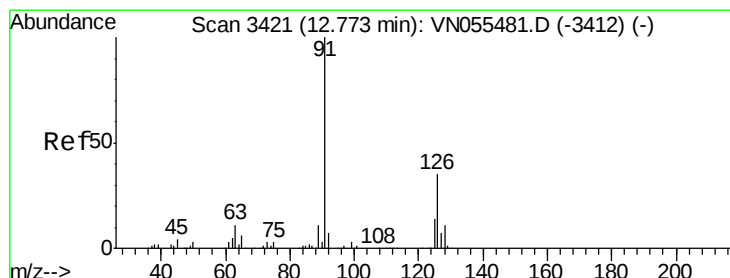
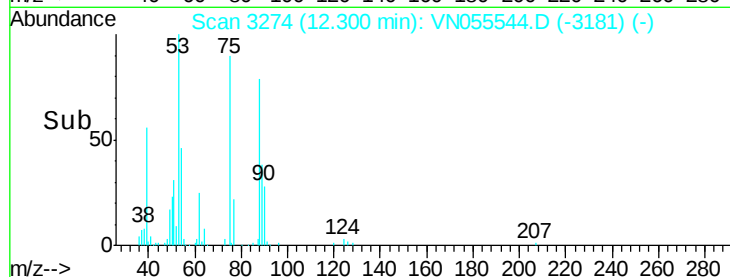
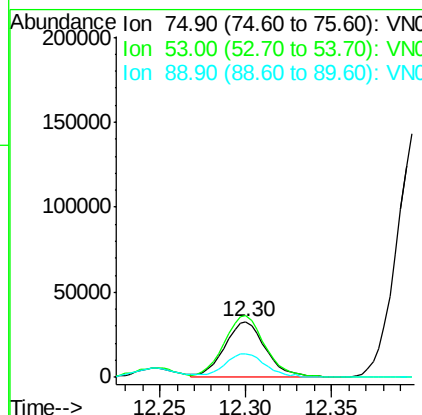
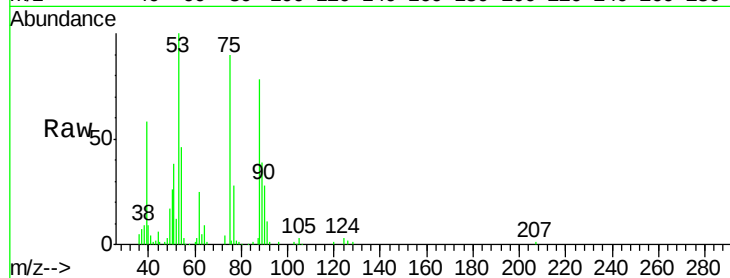
ClientSampled :

VN0510WBS02

Tot Ion:	75	Resp:	53625
Ion	Ratio	Lower	Upper
75	100		
53	113.4	86.5	129.7
89	42.3	35.7	53.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.302 ug/l

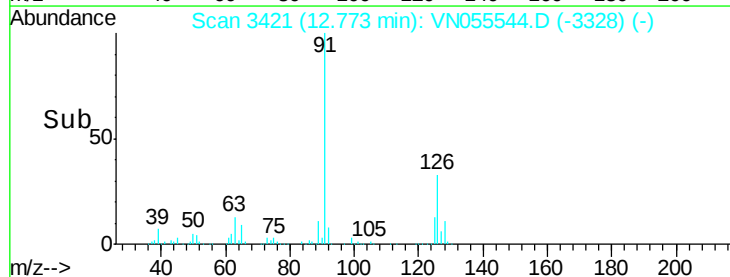
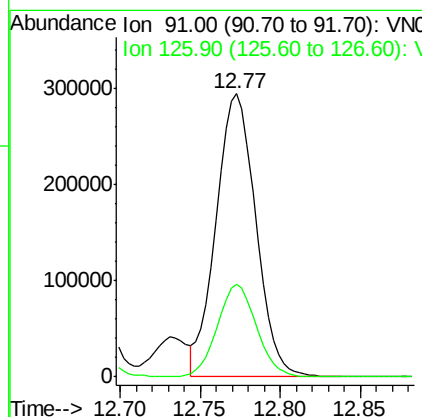
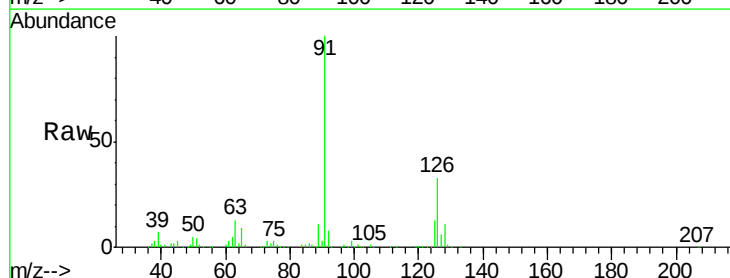
RT: 12.77 min Scan# 3421

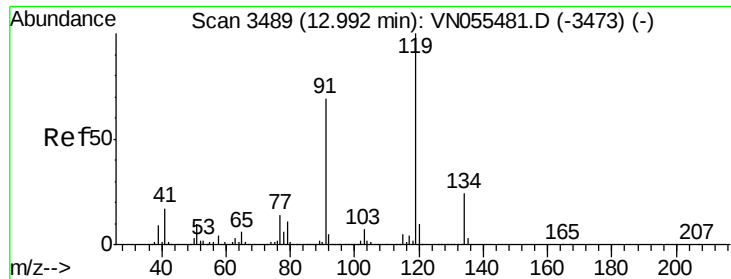
Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion:	91	Resp:	501994
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.0





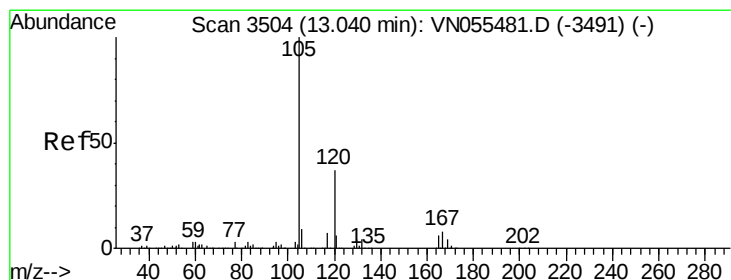
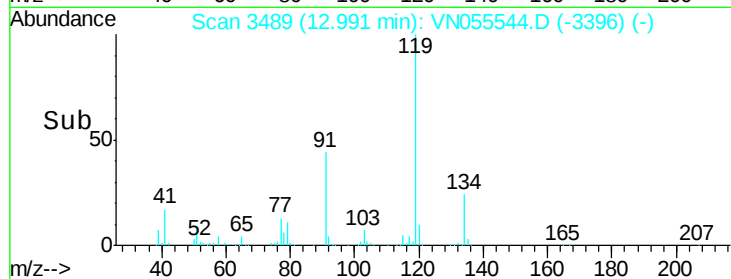
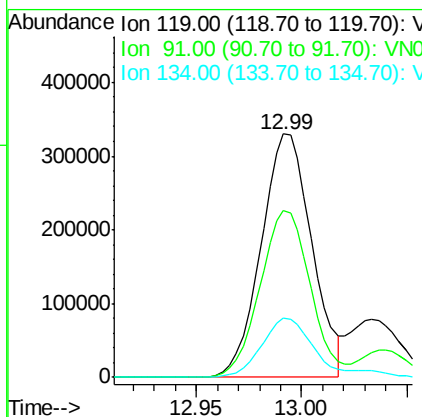
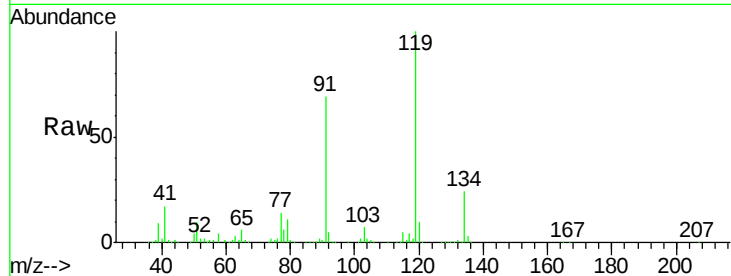
#83
tert-Butylbenzene
Concen: 19.542 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	551597		
91	67.8	33.8	101.3	
134	24.5	12.5	37.5	

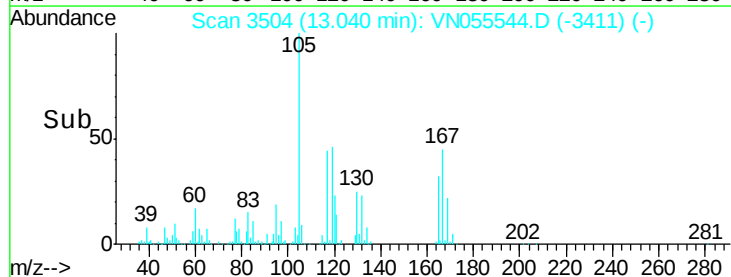
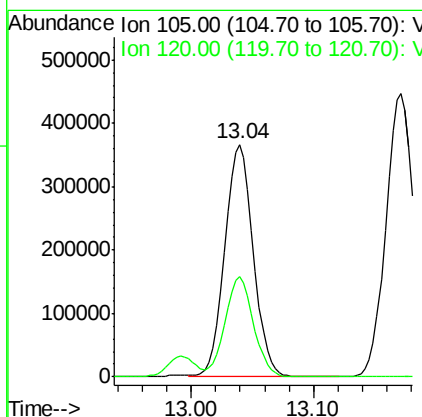
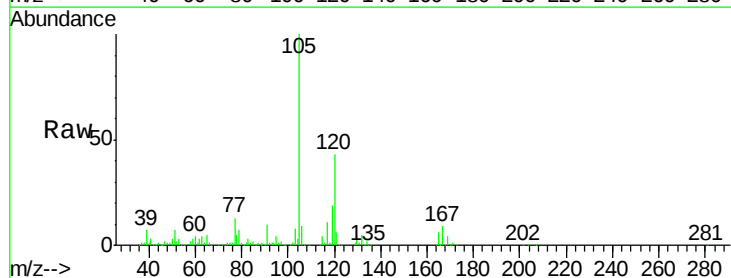
Manual Integrations
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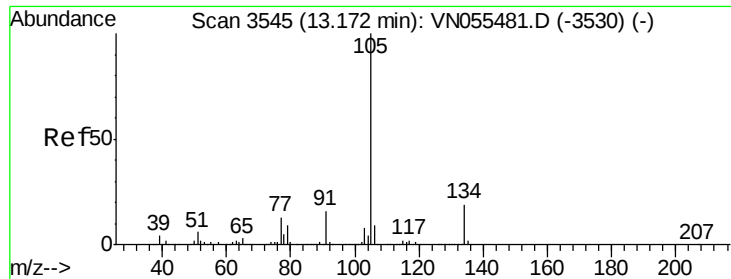
MMDadoda
5/11/2019 1:16:42 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.841 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	599237		
120	43.1	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.253 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBS02

Tot Ion:105 Resp: 722243

Ion Ratio Lower Upper

105 100

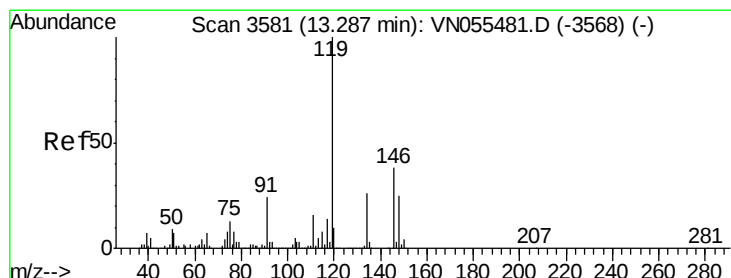
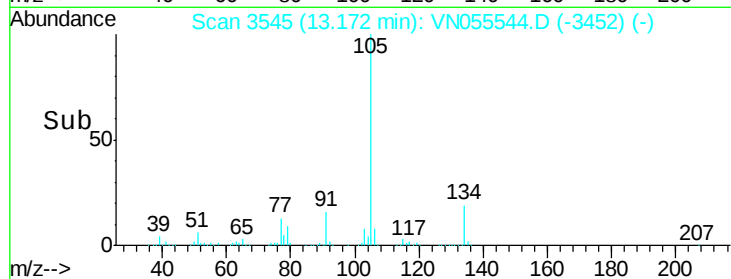
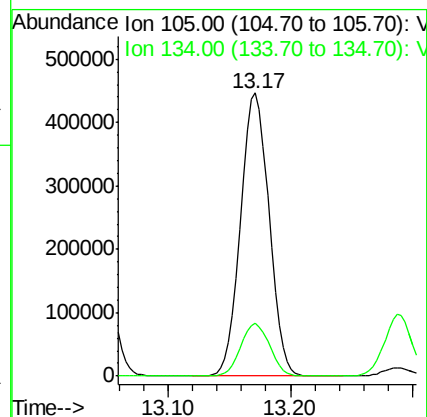
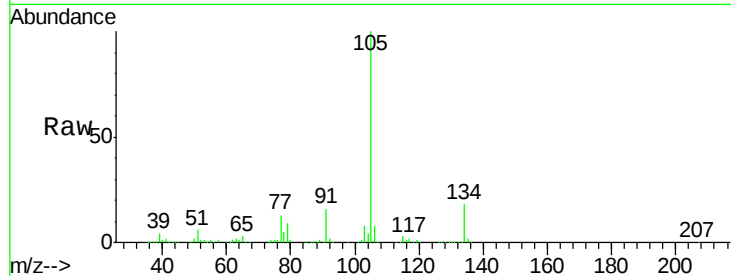
134 18.8 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.465 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

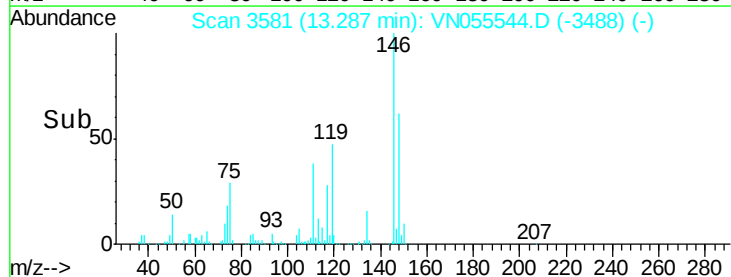
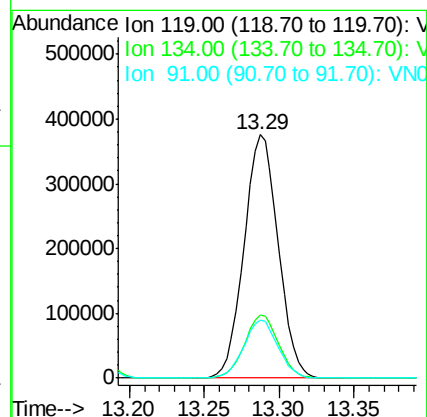
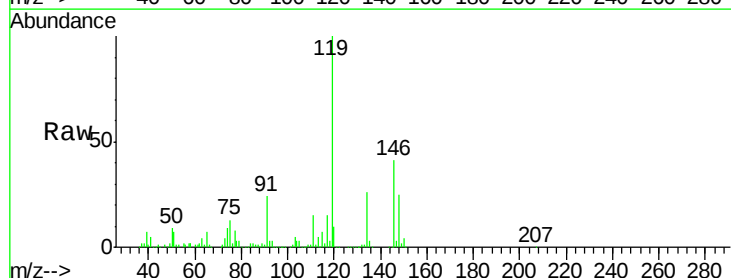
Tgt Ion:119 Resp: 594283

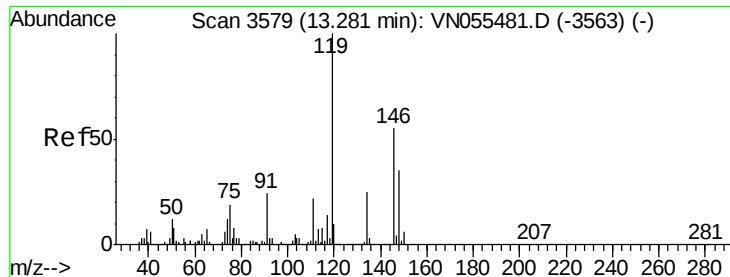
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.0 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 20.302 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

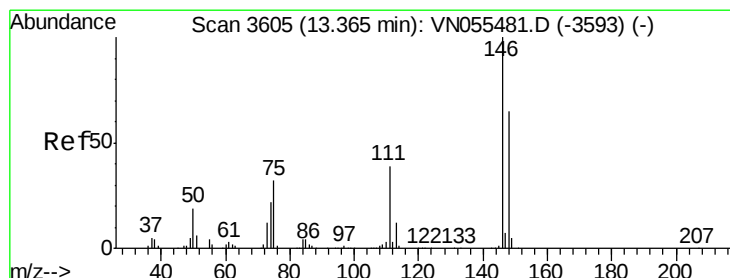
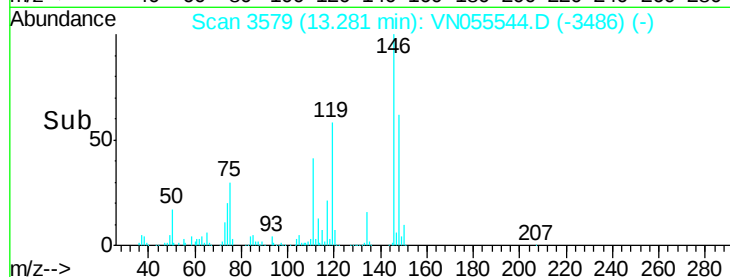
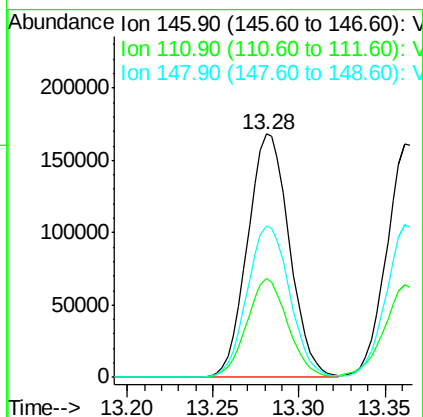
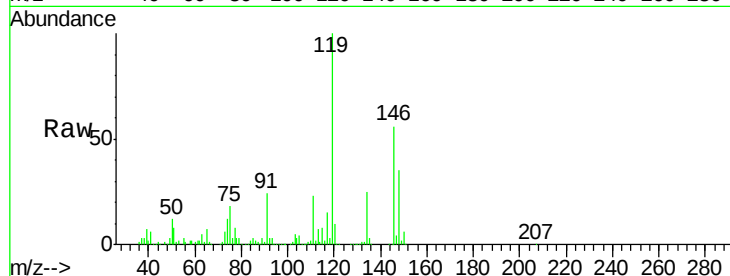
ClientSampleId :

VN0510WBS02

Tot Ion:	146	Resp:	284672
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.4	61.3
148	63.3	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.603 ug/l

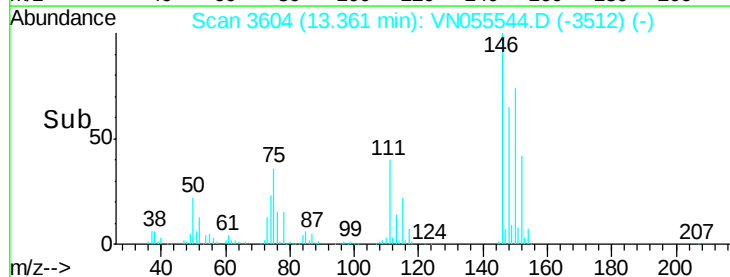
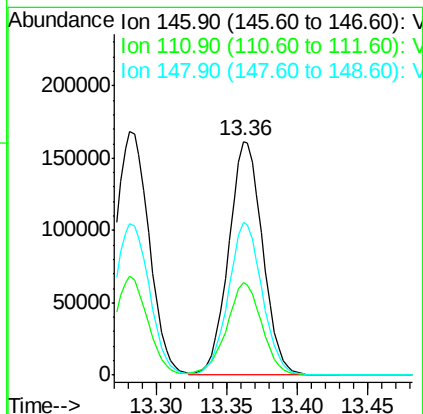
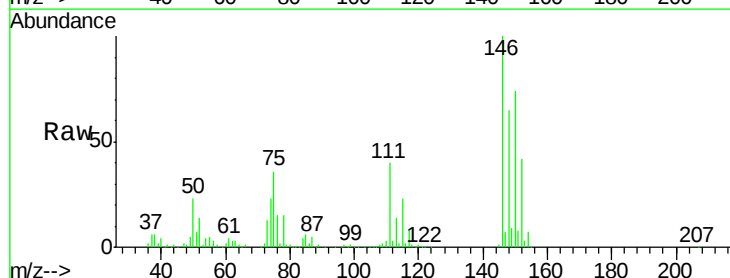
RT: 13.36 min Scan# 3604

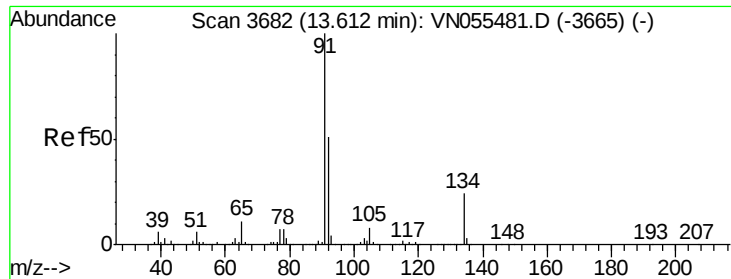
Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion:	146	Resp:	271272
Ion Ratio	Lower	Upper	
146	100		
111	40.9	19.6	58.8
148	65.4	32.5	97.4





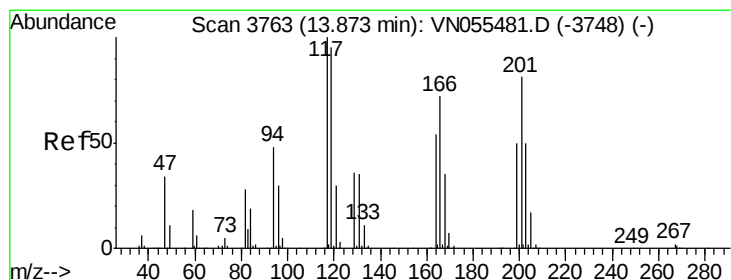
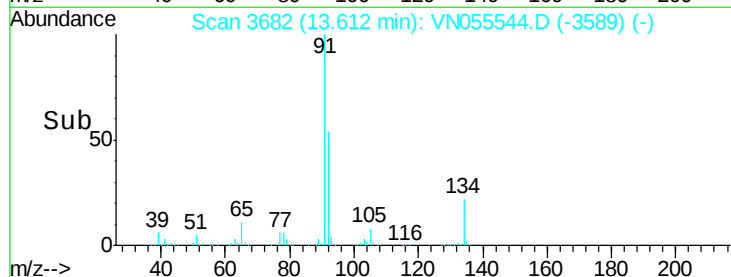
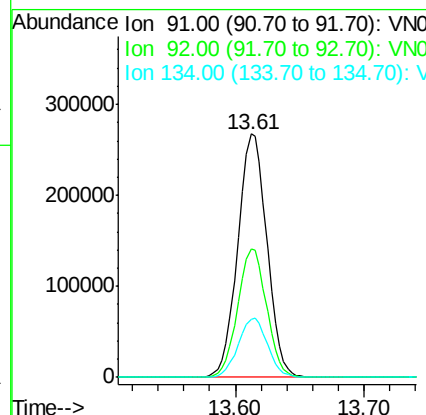
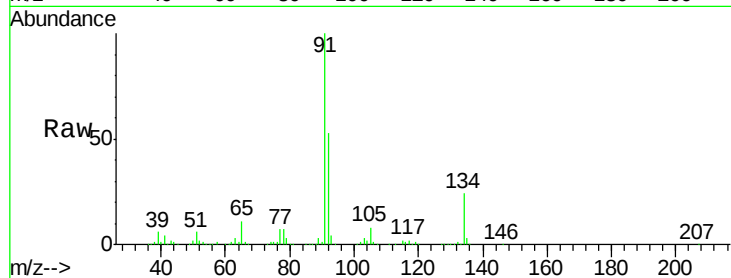
#89
n-Butylbenzene
Concen: 17.776 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VN0510WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.7
134	24.3	11.8	35.4

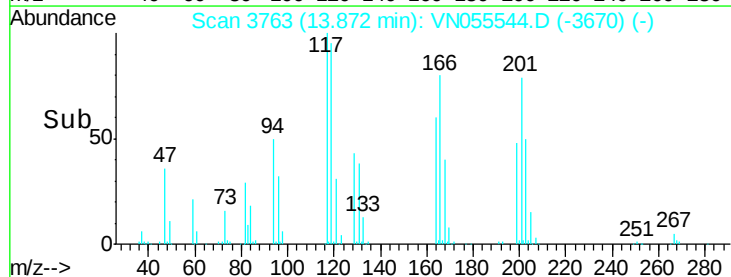
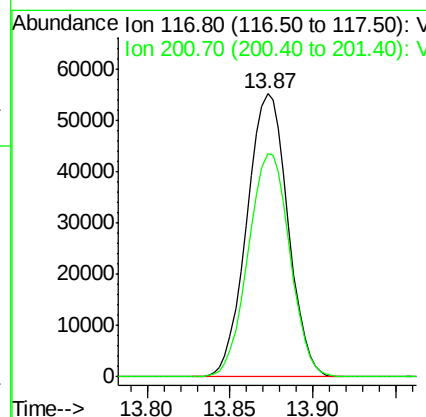
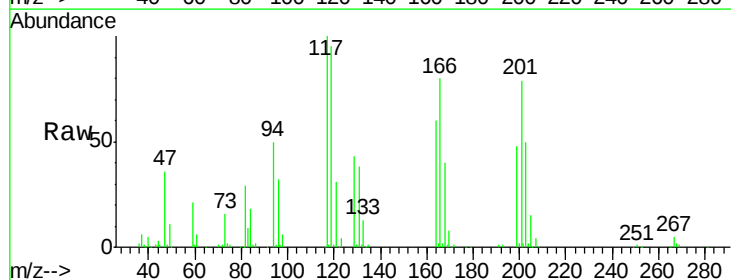
Manual Integrations
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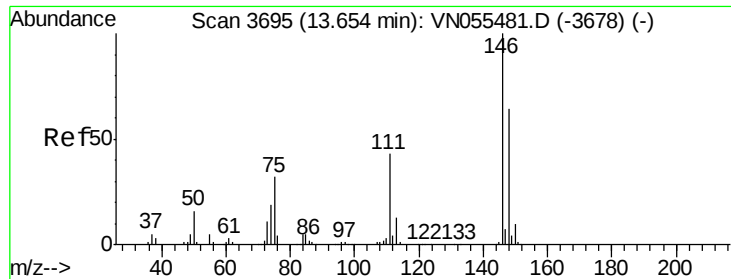
MMDadoda
5/11/2019 1:16:42 PM



#90
Hexachloroethane
Concen: 19.103 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055544.D
Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	40.1	120.2





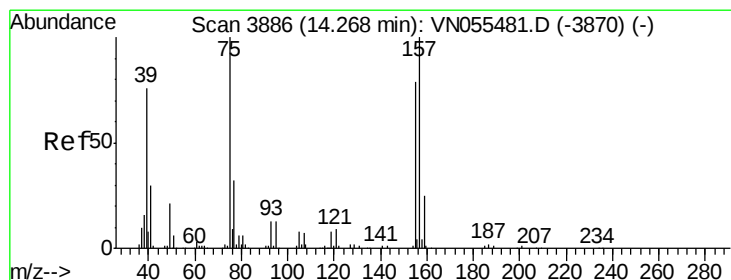
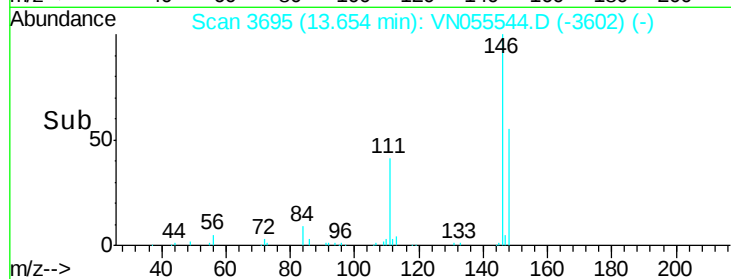
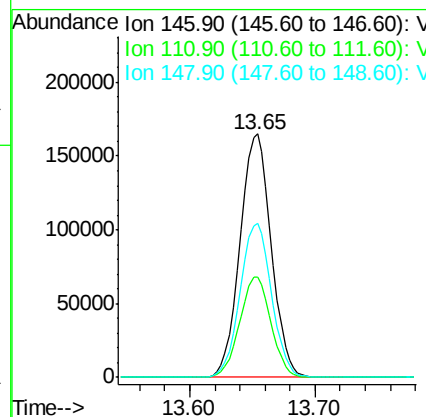
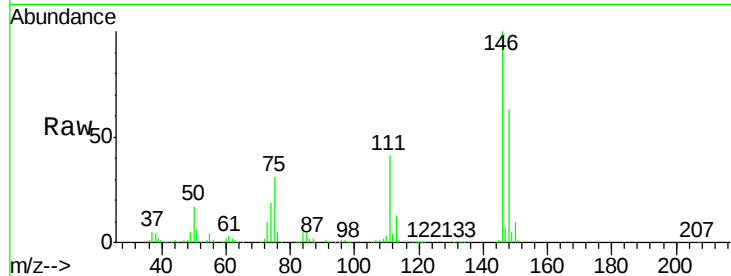
#91
 1,2-Dichlorobenzene
 Concen: 20.319 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.3	63.7
148	63.7	31.9	95.9

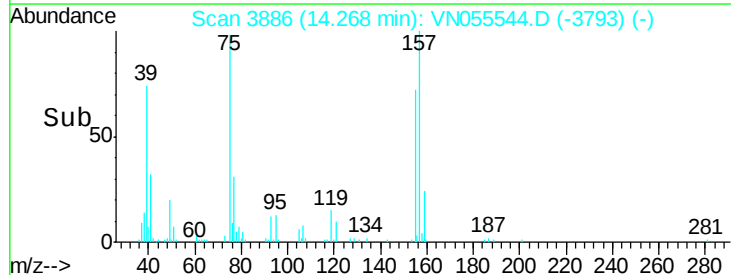
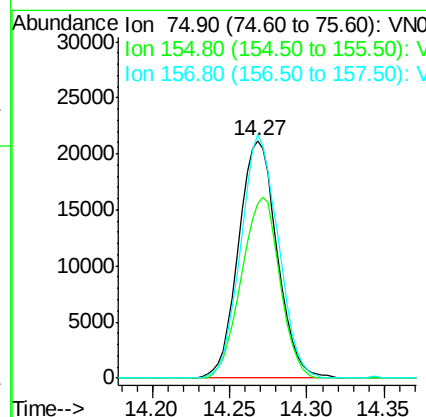
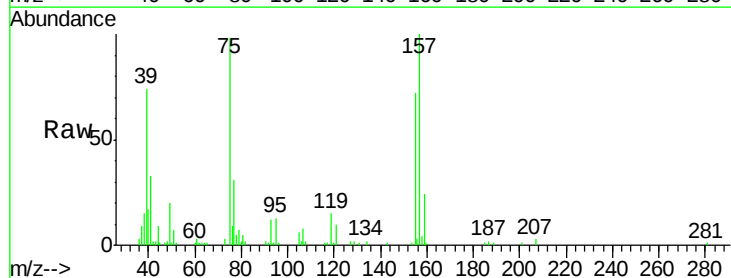
Manual Integrations
 APPROVED

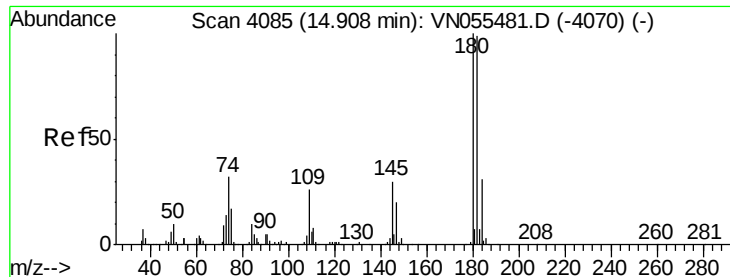
MMDadoda
 5/11/2019 1:16:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.362 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055544.D
 Acq: 10 May 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	39.3	117.8
157	99.3	50.6	151.8





#93

1,2,4-Trichlorobenzene

Concen: 16.504 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

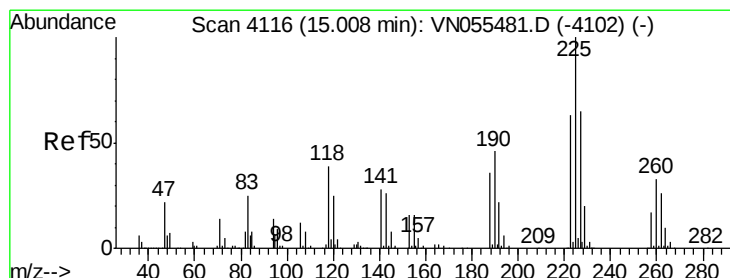
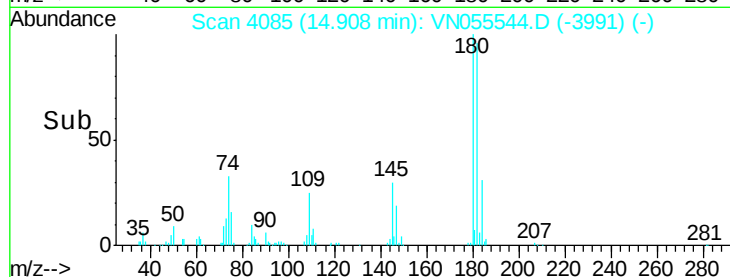
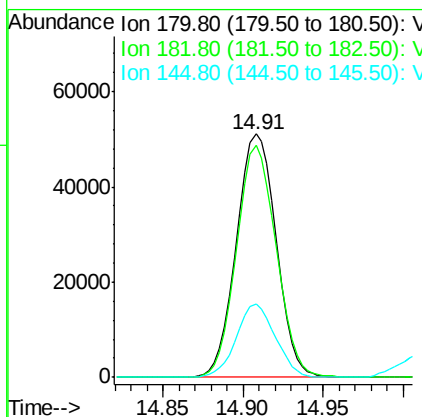
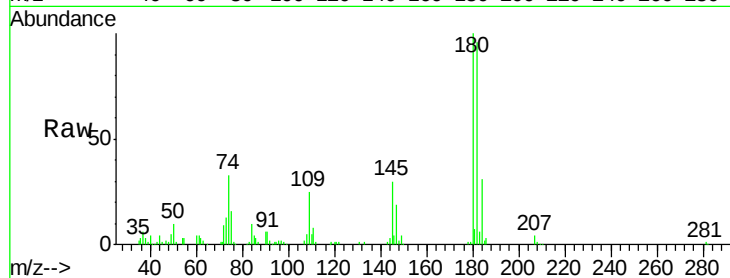
ClientSampled :

VN0510WBS02

Tot Ion:	180	Resp:	86710
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.7	146.1
145	29.4	15.3	45.9

Manual Integrations
APPROVED

MMDadoda
5/11/2019 1:16:42 PM



#94

Hexachlorobutadiene

Concen: 20.639 ug/l

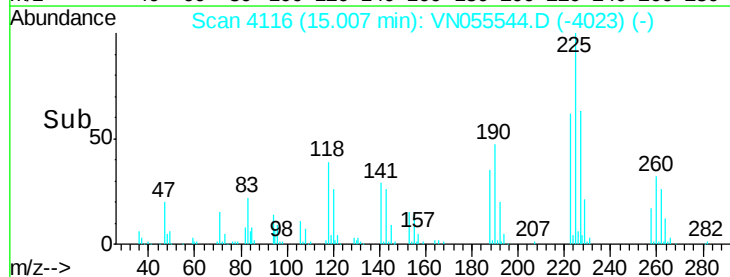
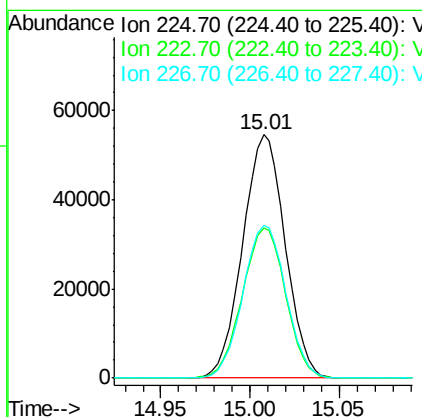
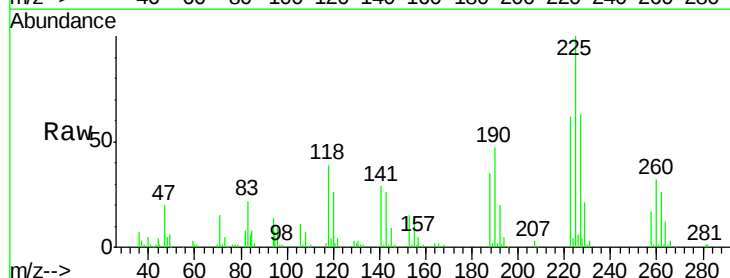
RT: 15.01 min Scan# 4116

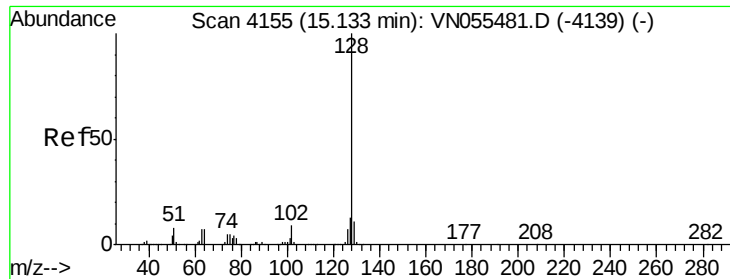
Delta R.T. 0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion:	225	Resp:	91267
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.4	94.3
227	63.4	32.0	96.0





#95

Naphthalene

Concen: 15.918 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Instrument :

MSVOA_N

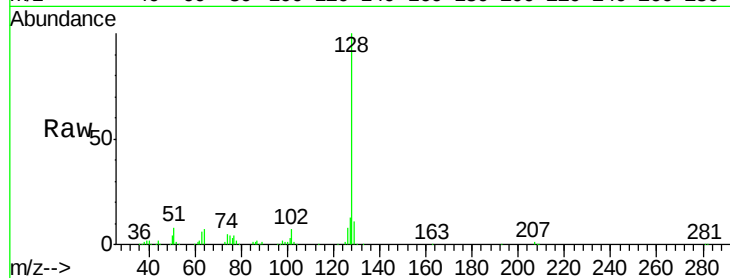
ClientSampleId :

VN0510WBS02

Tot Ion:	128	Resp:	236773
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.0	15.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

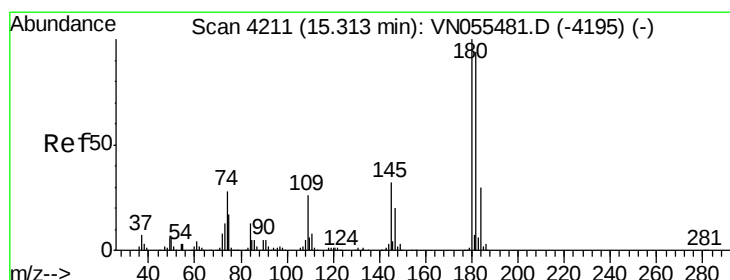
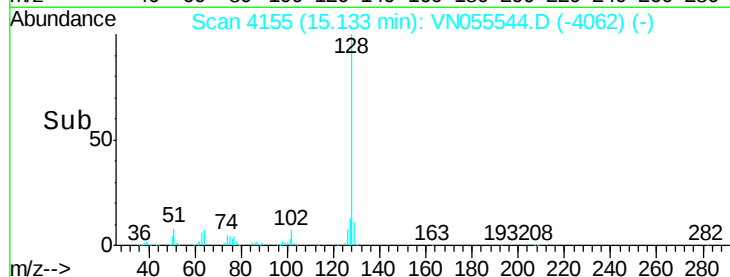
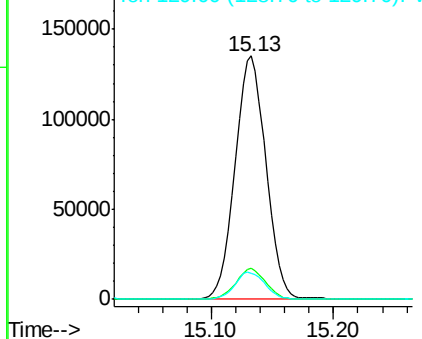
MMDadoda
5/11/2019 1:16:42 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.547 ug/l

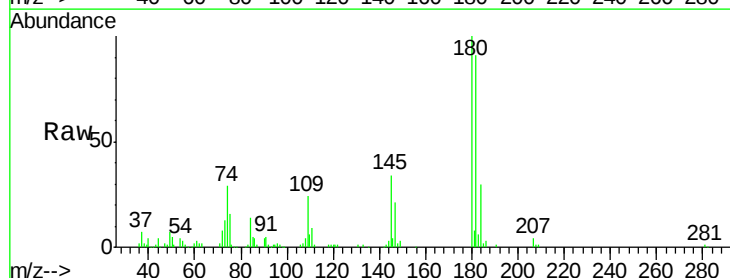
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055544.D

Acq: 10 May 2019 11:56

Tgt Ion:	180	Resp:	98078
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.1	141.3
145	32.6	15.8	47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

