

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056832.D
 Acq On : 19 Jul 2019 15:17
 Operator : JC/SP
 Sample : VN0719WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 4:32:36 AM

Quant Time: Jul 20 00:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	293147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	458213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	163219	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	7.59	113	143722	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.09	98	548778	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	177778	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	52736	19.158	ug/l	99
3) Chloromethane	2.06	50	69922	18.894	ug/l	98
4) Vinyl Chloride	2.18	62	69200	19.418	ug/l	98
5) Bromomethane	2.54	94	34438	16.432	ug/l	100
6) Chloroethane	2.69	64	39666	19.100	ug/l	98
7) Trichlorofluoromethane	3.01	101	89687	19.613	ug/l	99
8) Diethyl Ether	3.41	74	36691	20.580	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	54636	19.887	ug/l	98
10) Methyl Iodide	3.95	142	54168	14.741	ug/l	99
11) Tert butyl alcohol	4.79	59	50674	93.887	ug/l	99
12) 1,1-Dichloroethene	3.73	96	55012	19.963	ug/l	97
13) Acrolein	3.60	56	16689	97.337	ug/l	97
14) Allyl chloride	4.32	41	92416	19.392	ug/l	100
15) Acrylonitrile	4.99	53	159492	102.326	ug/l	100
16) Acetone	3.82	43	124011	82.991	ug/l	97
17) Carbon Disulfide	4.05	76	127948	17.570	ug/l	100
18) Methyl Acetate	4.33	43	76581	22.279	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	181523	20.674	ug/l	96
20) Methylene Chloride	4.55	84	66114	20.246	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	58818	20.192	ug/l	98
22) Diisopropyl ether	5.95	45	196784	20.919	ug/l	96
23) Vinyl Acetate	5.90	43	795211	104.320	ug/l	100
24) 1,1-Dichloroethane	5.85	63	113806	20.867	ug/l	99
25) 2-Butanone	6.84	43	205856	94.229	ug/l	100
26) 2,2-Dichloropropane	6.82	77	71958	18.298	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	70281	20.968	ug/l	99
28) Bromochloromethane	7.20	49	50023	19.508	ug/l	98
29) Tetrahydrofuran	7.21	42	142399	99.937	ug/l	98
30) Chloroform	7.37	83	111886	20.501	ug/l	98
31) Cyclohexane	7.65	56	103447	19.956	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	90476	20.962	ug/l	100
36) 1,1-Dichloropropene	7.79	75	81772	19.285	ug/l	100
37) Ethyl Acetate	6.93	43	84176	20.142	ug/l	98
38) Carbon Tetrachloride	7.77	117	76711	19.292	ug/l	100

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 ClientSampled :
 VN0719WBSD01

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	99990	19.098	ug/l	99
40) Benzene	8.04	78	257875	19.849	ug/l	98
41) Methacrylonitrile	7.17	41	38628	21.043	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	83534	20.344	ug/l	99
43) Isopropyl Acetate	8.17	43	135653	20.648	ug/l	99
44) Trichloroethene	8.83	130	69814	19.788	ug/l	97
45) 1,2-Dichloropropane	9.12	63	69459	20.120	ug/l	97
46) Dibromomethane	9.21	93	44086	20.607	ug/l	98
47) Bromodichloromethane	9.40	83	82318	20.249	ug/l	98
48) Methyl methacrylate	9.20	41	62629	19.712	ug/l	98
49) 1,4-Dioxane	9.20	88	21634	331.841	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	423940	99.629	ug/l	99
52) Toluene	10.15	92	160505	20.802	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83617	19.715	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	97664	19.843	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	65810	20.336	ug/l	99
56) Ethyl methacrylate	10.43	69	97041	20.840	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107823	20.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	206227	92.101	ug/l	99
59) 2-Hexanone	10.75	43	296415	97.082	ug/l	100
60) Dibromochloromethane	10.90	129	63606	19.985	ug/l	97
61) 1,2-Dibromoethane	11.00	107	67446	20.971	ug/l	98
64) Tetrachloroethene	10.63	164	70640	20.282	ug/l	98
65) Chlorobenzene	11.43	112	168076	20.361	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	62874	20.687	ug/l	98
67) Ethyl Benzene	11.51	91	293499	20.232	ug/l	99
68) m/p-Xylenes	11.62	106	220329	40.639	ug/l	99
69) o-Xylene	11.95	106	109336	20.513	ug/l	100
70) Styrene	11.96	104	176884	20.527	ug/l	99
71) Bromoform	12.12	173	46279	20.012	ug/l #	100
73) Isopropylbenzene	12.25	105	284504	21.036	ug/l	100
74) N-amyl acetate	12.07	43	100091	19.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	93402	22.791	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	79810m	21.755	ug/l	
77) Bromobenzene	12.53	156	76248	21.554	ug/l	94
78) n-propylbenzene	12.59	91	307959	20.510	ug/l	100
79) 2-Chlorotoluene	12.67	91	192582	22.302	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	241890	21.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22946	19.316	ug/l	97
82) 4-Chlorotoluene	12.77	91	182513	20.713	ug/l	100
83) tert-Butylbenzene	12.99	119	211021	22.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	241828	21.595	ug/l	100
85) sec-Butylbenzene	13.17	105	269270	21.140	ug/l	99
86) p-Isopropyltoluene	13.29	119	241365	20.918	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	117219	20.219	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	112308	19.915	ug/l	99
89) n-Butylbenzene	13.61	91	181227	19.498	ug/l	98
90) Hexachloroethane	13.87	117	38214	20.480	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	121943	20.566	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14642	20.189	ug/l	98

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ALS Vial : 15 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VN0719WBSD01

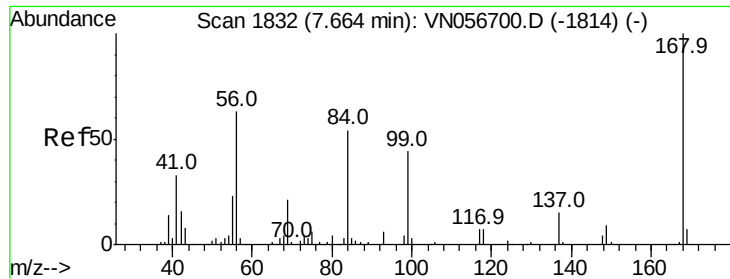
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52652	18.578	ug/l	100
94) Hexachlorobutadiene	15.01	225	42508	22.098	ug/l	98
95) Naphthalene	15.13	128	139022	18.595	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56458	19.529	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:168 Resp: 293147

Ion Ratio Lower Upper

168 100

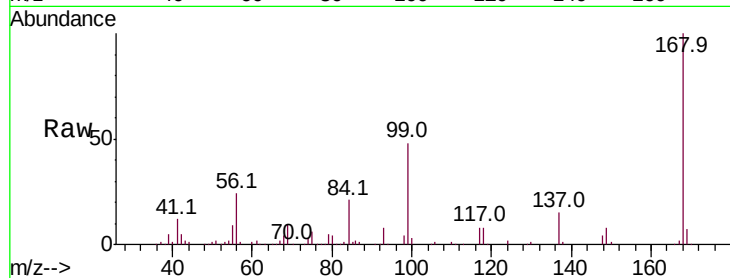
99 47.8 39.4 59.2

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

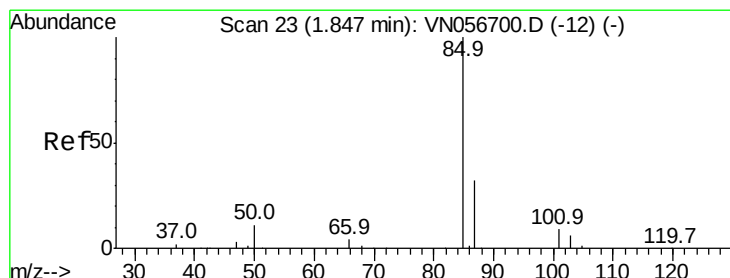
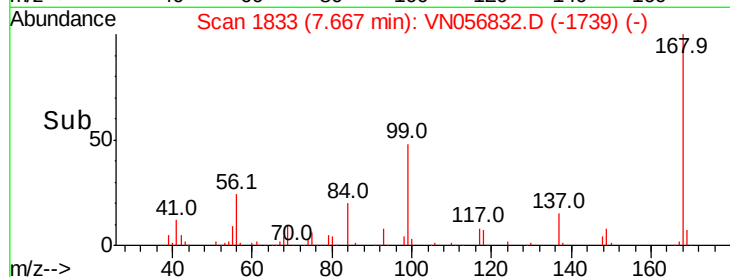
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.158 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056832.D

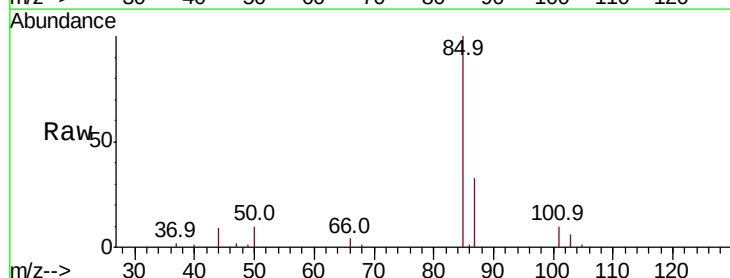
Acq: 19 Jul 2019 15:17

Tgt Ion: 85 Resp: 52736

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

40000

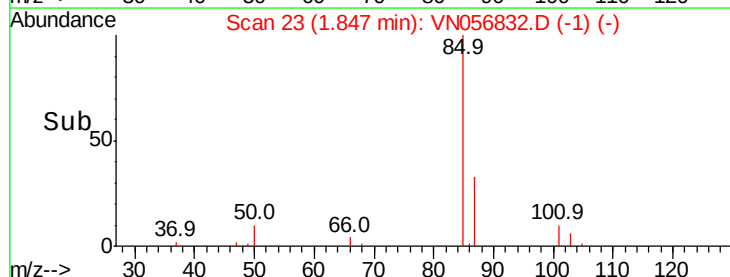
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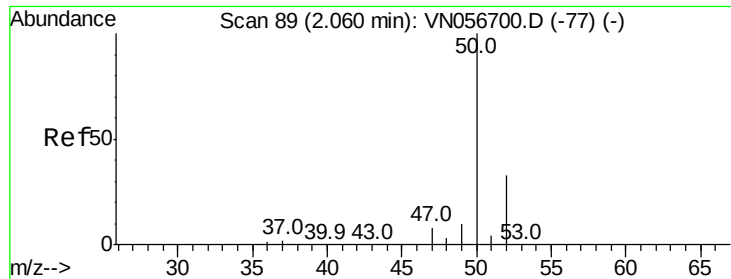
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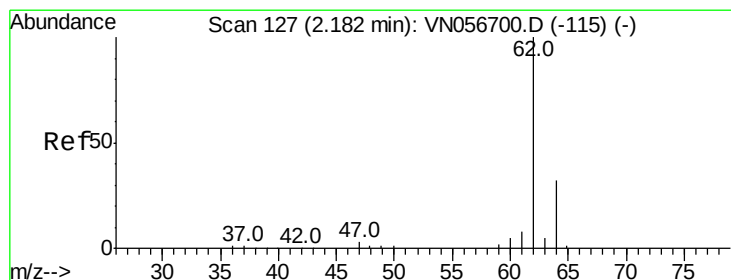
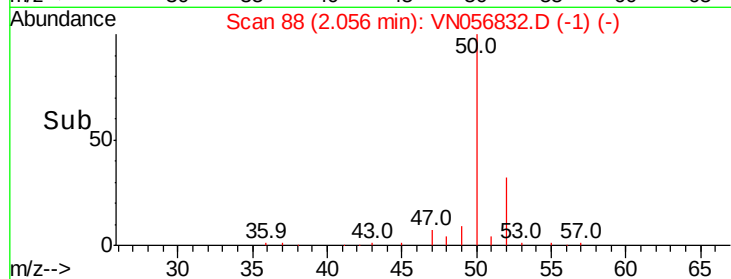
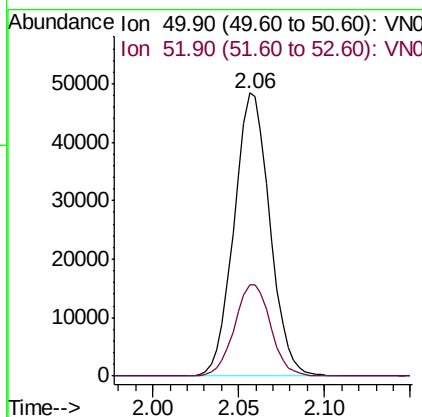
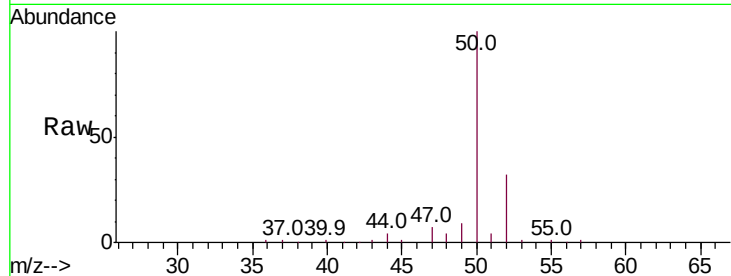
#3
Chloromethane
Concen: 18.894 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion: 50 Resp: 69922
Ion Ratio Lower Upper
50 100
52 32.2 26.5 39.7

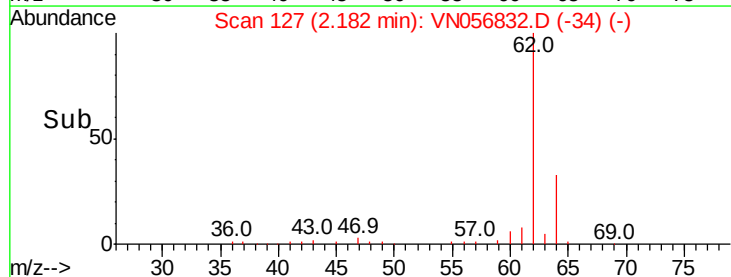
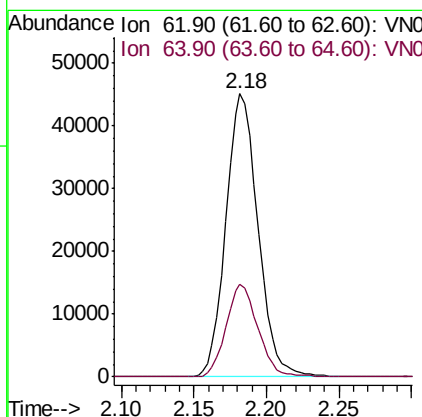
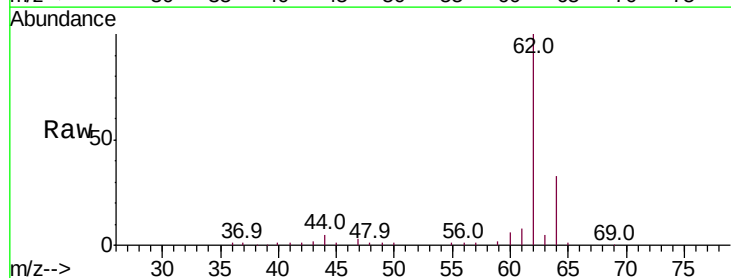
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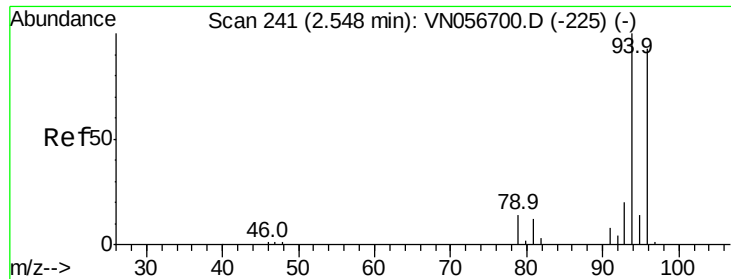
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#4
Vinyl Chloride
Concen: 19.418 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 62 Resp: 69200
Ion Ratio Lower Upper
62 100
64 33.0 25.6 38.4





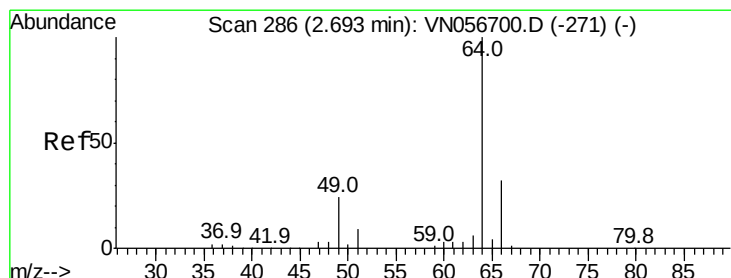
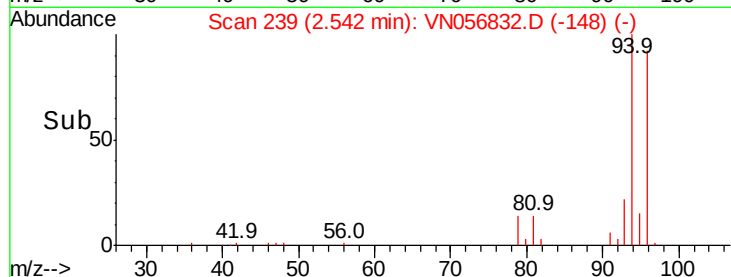
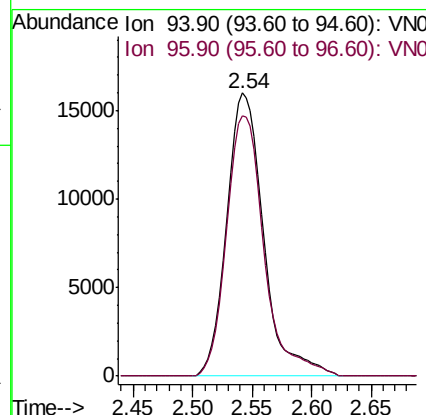
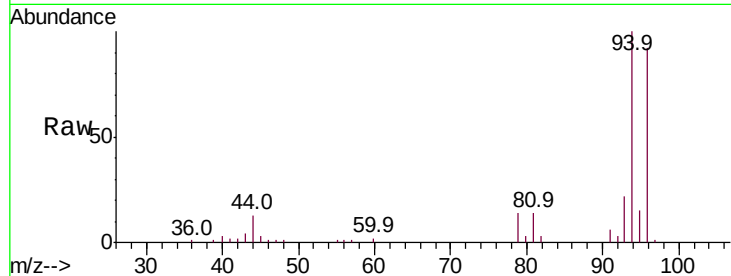
#5
Bromomethane
Concen: 16.432 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 34438
Ion Ratio Lower Upper
94 100
96 92.2 74.0 111.0

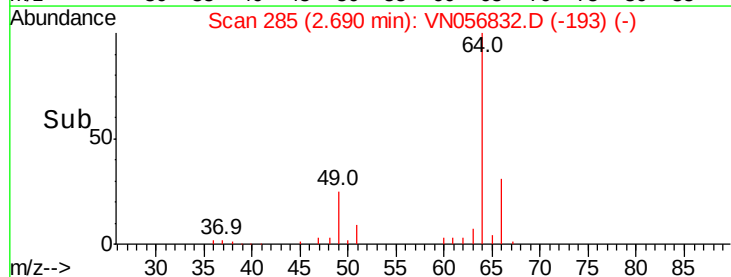
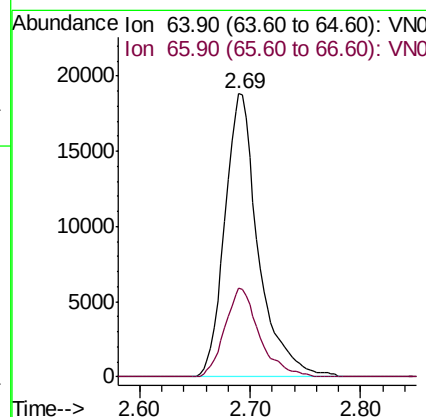
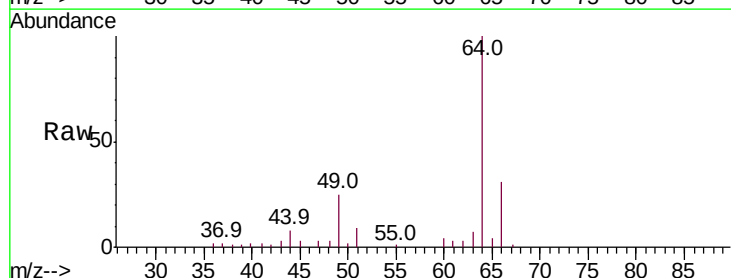
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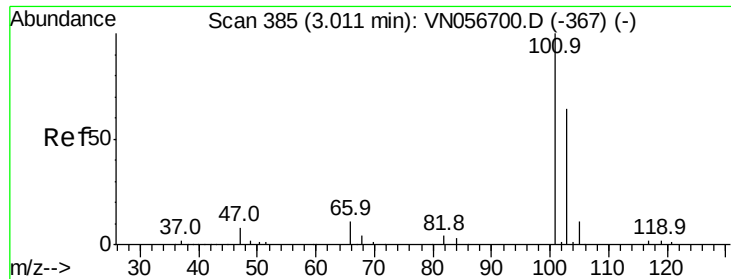
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#6
Chloroethane
Concen: 19.100 ug/l
RT: 2.69 min Scan# 285
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 64 Resp: 39666
Ion Ratio Lower Upper
64 100
66 31.4 25.8 38.8





#7

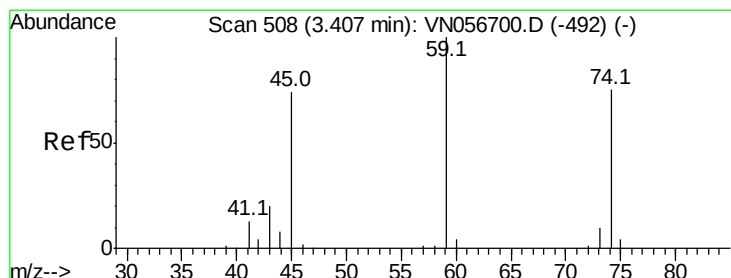
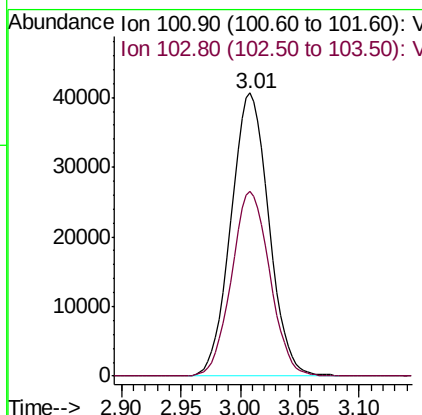
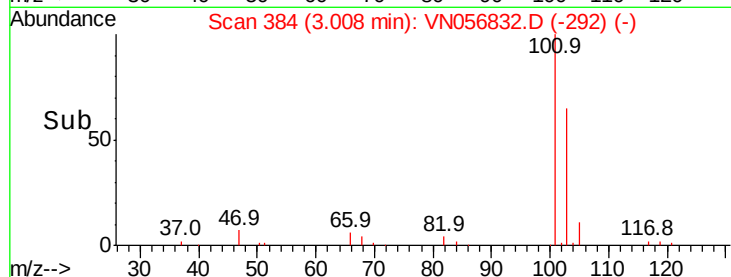
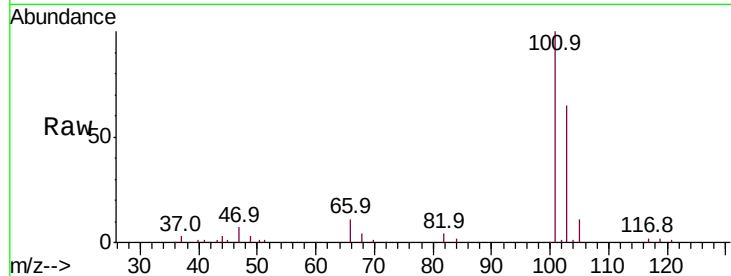
Trichlorofluoromethane
Concen: 19.613 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion:101 Resp: 89687
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3

Manual Integrations
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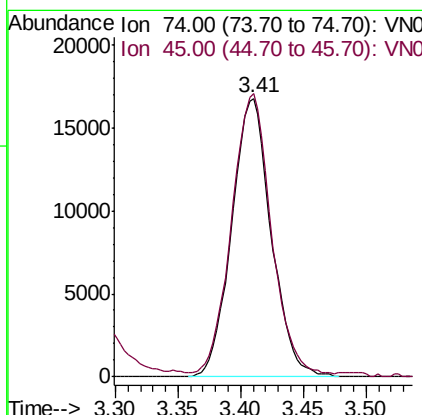
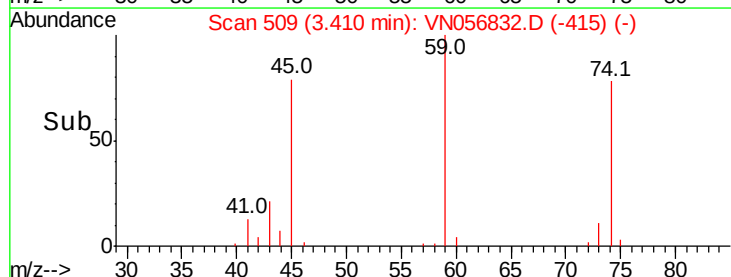
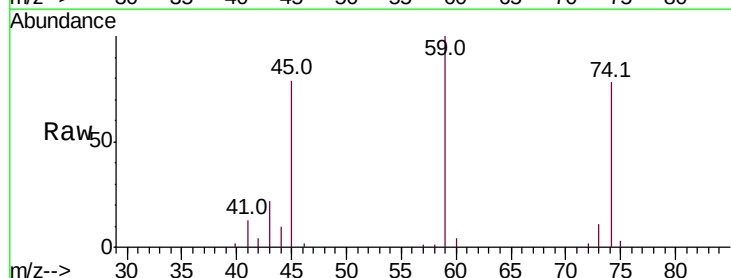
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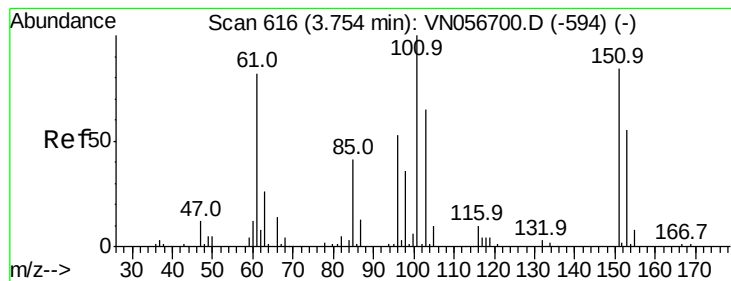


#8

Diethyl Ether
Concen: 20.580 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 74 Resp: 36691
Ion Ratio Lower Upper
74 100
45 99.8 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.887 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

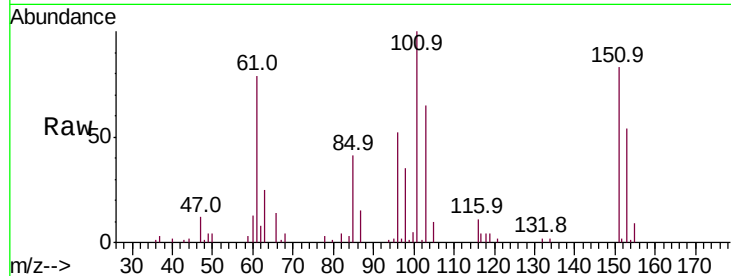
ClientSampleId :

VN0719WBSD01

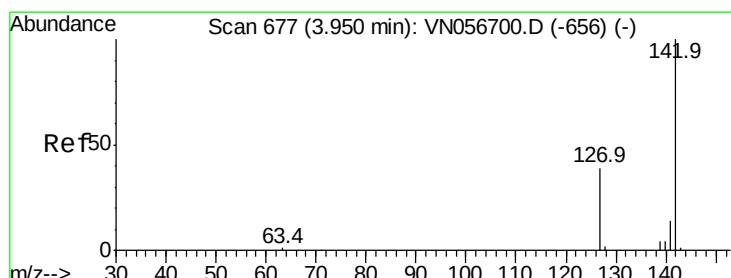
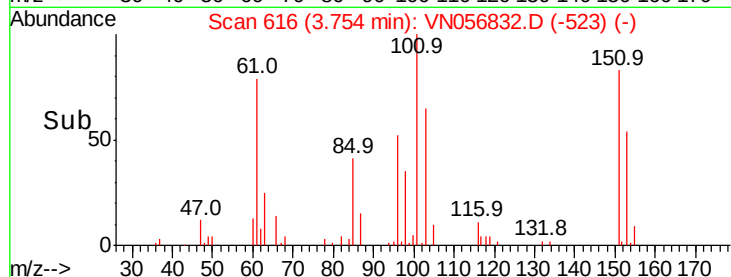
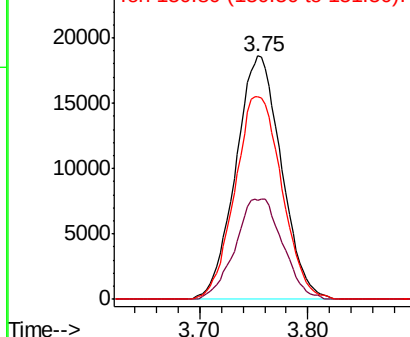
Tot Ion:	101	Resp:	54636
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.3	49.9
151	85.8	67.0	100.6

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



#10

Methyl Iodide

Concen: 14.741 ug/l

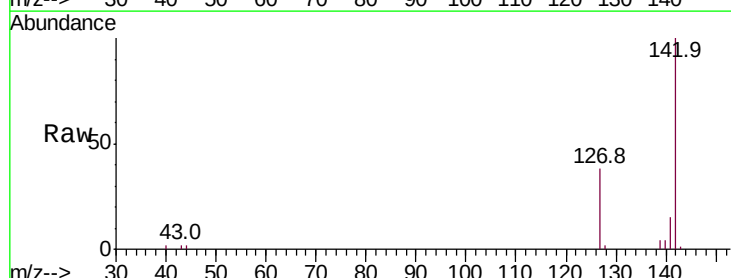
RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

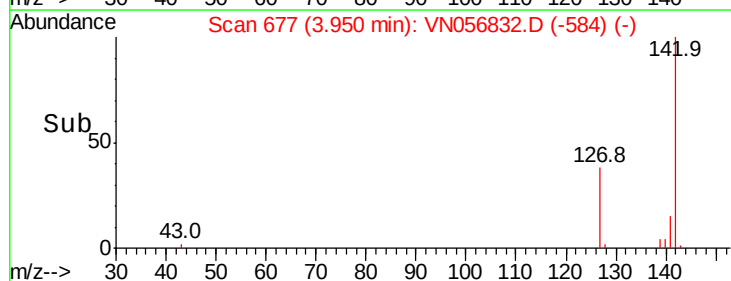
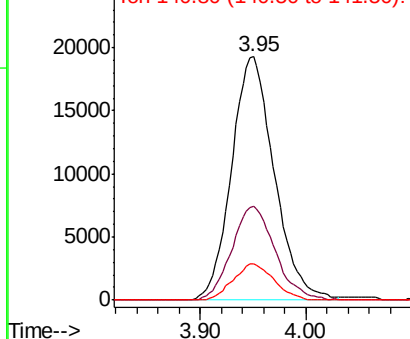
Lab File: VN056832.D

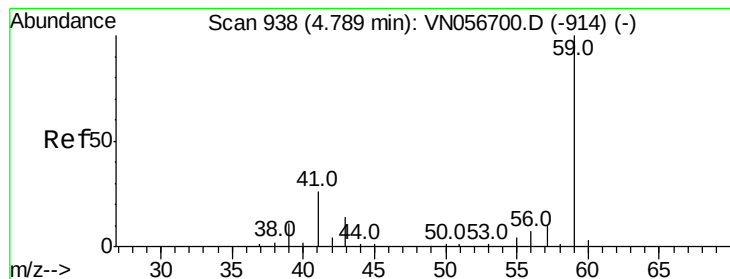
Acq: 19 Jul 2019 15:17

Tgt Ion:	142	Resp:	54168
Ion Ratio	Lower	Upper	
142	100		
127	38.9	30.7	46.1
141	14.3	11.3	16.9



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





#11

Tert butyl alcohol

Concen: 93.887 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 59 Resp: 50674

Ion Ratio Lower Upper

59 100

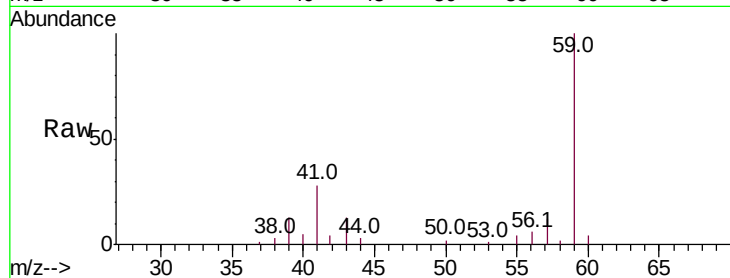
57 9.6 8.0 12.0

Manual Integrations

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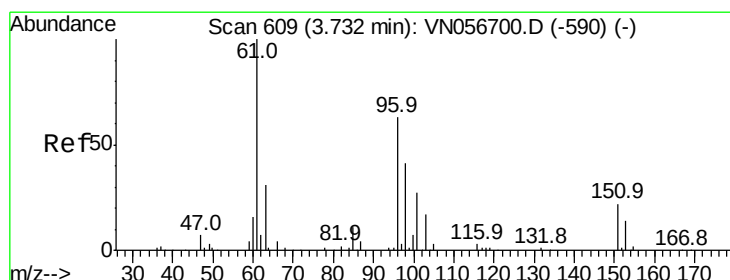
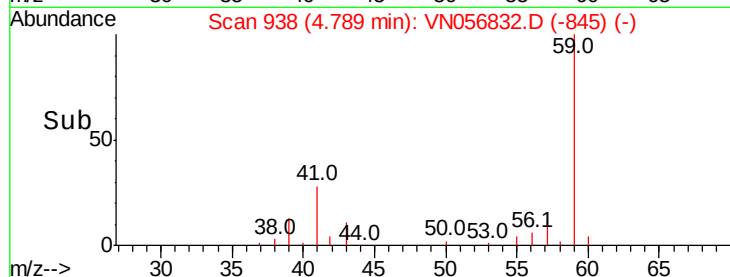
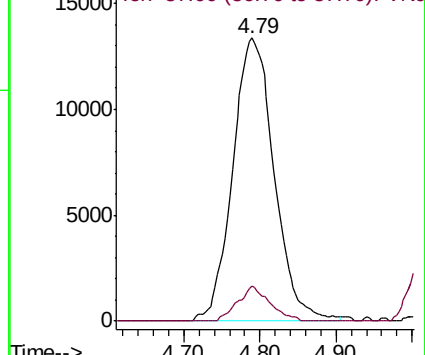
MMDadoda

7/23/2019 4:32:36 AM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.963 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

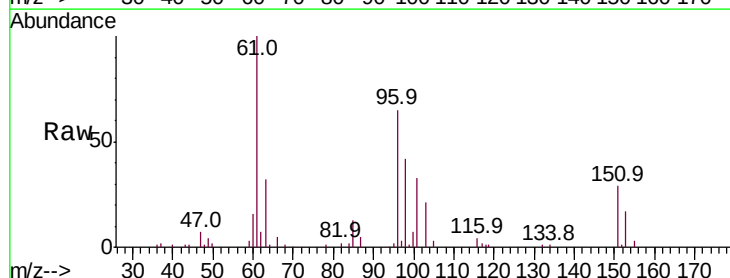
Tgt Ion: 96 Resp: 55012

Ion Ratio Lower Upper

96 100

61 153.8 126.6 189.8

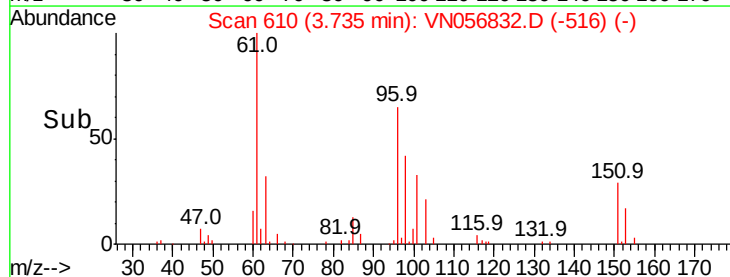
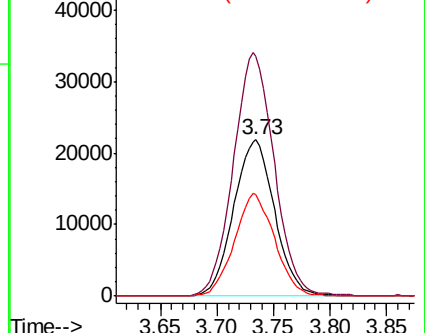
98 64.8 51.4 77.2

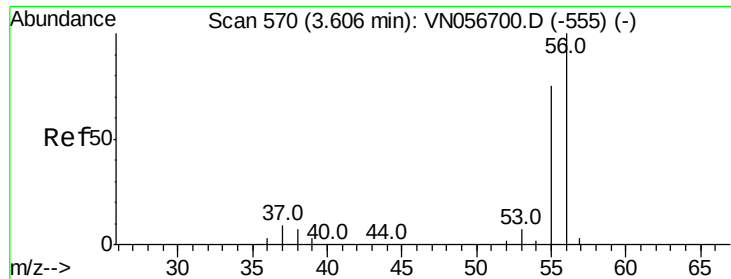


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 97.337 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion: 56 Resp: 16689

Ion Ratio Lower Upper

56 100

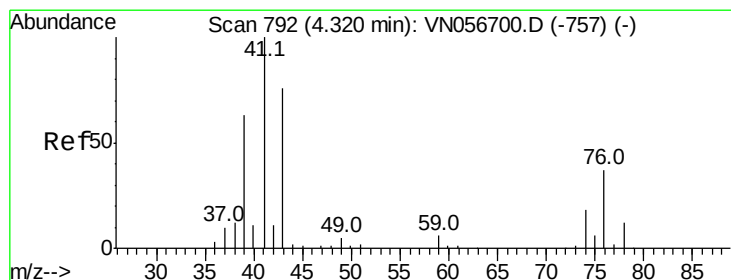
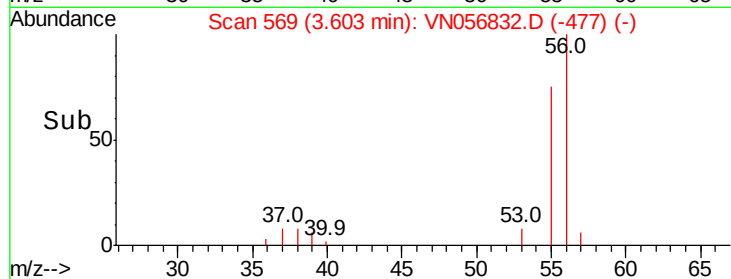
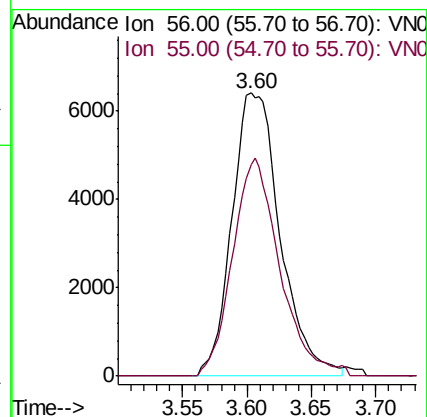
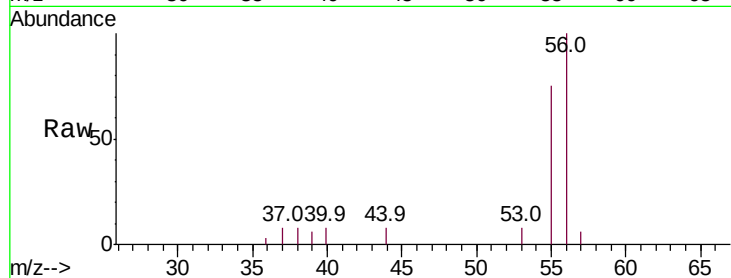
55 75.4 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.392 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

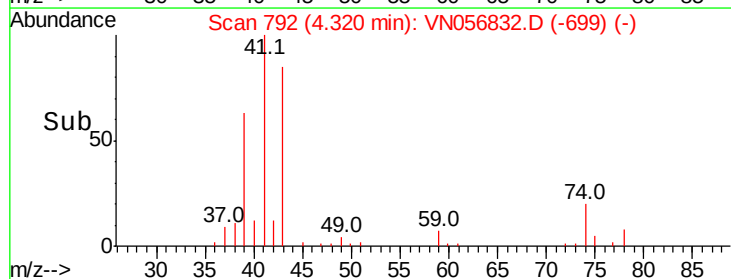
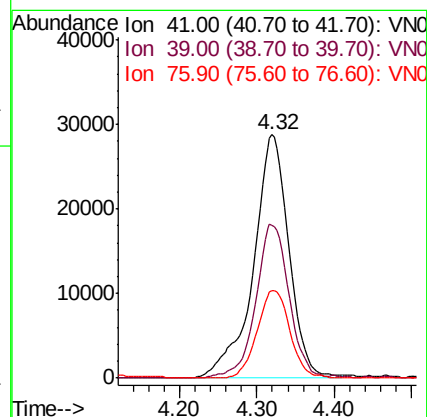
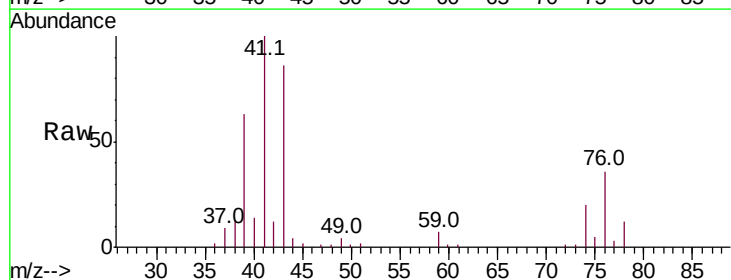
Tgt Ion: 41 Resp: 92416

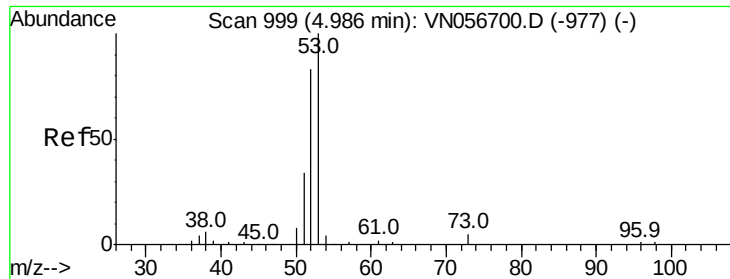
Ion Ratio Lower Upper

41 100

39 59.1 46.9 70.3

76 33.1 26.5 39.7





#15

Acrylonitrile

Concen: 102.326 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

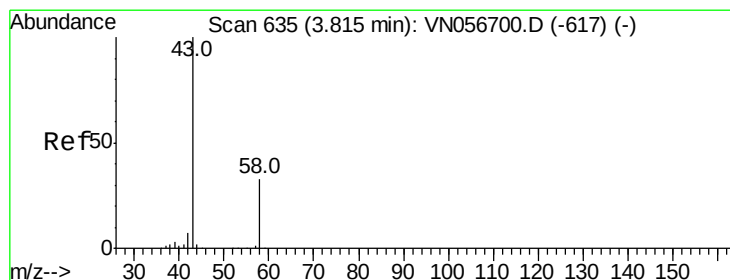
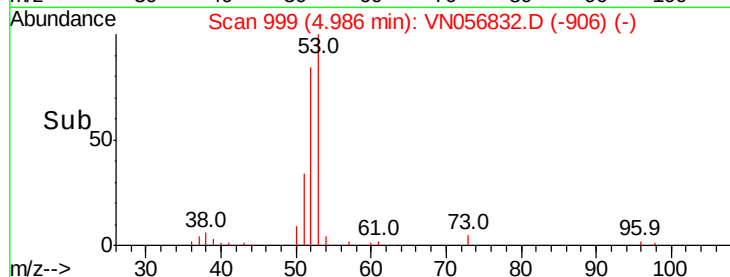
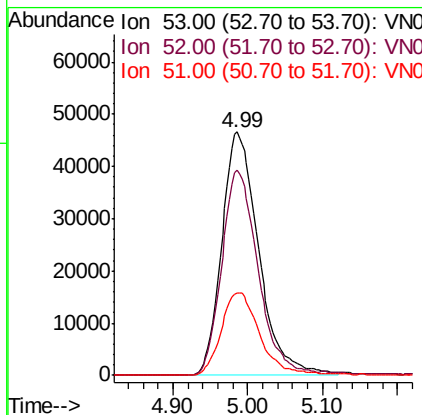
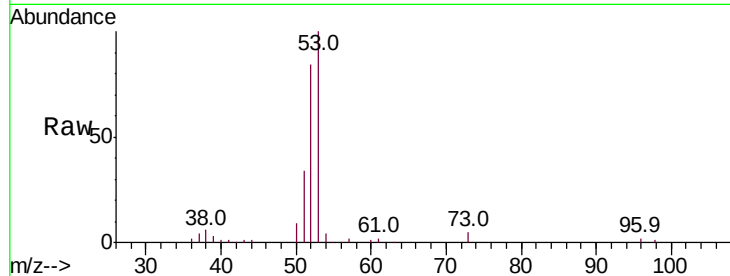
ClientSampleId :

VN0719WBSD01

Tot Ion:	53	Resp:	159492
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	99.8
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 82.991 ug/l

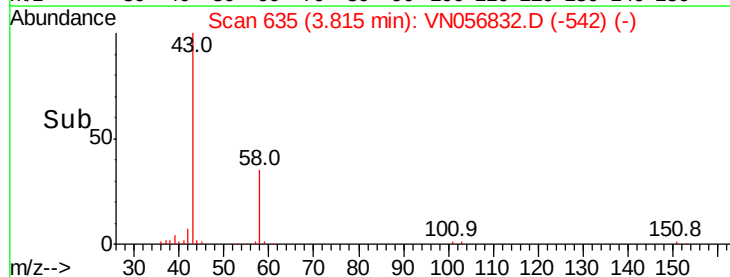
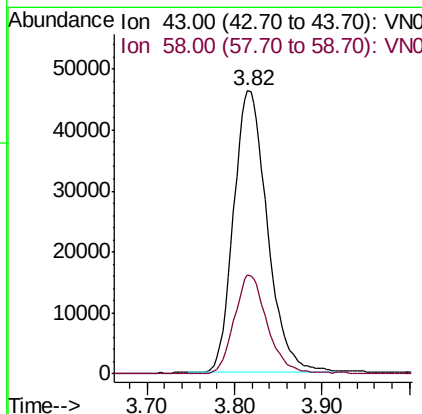
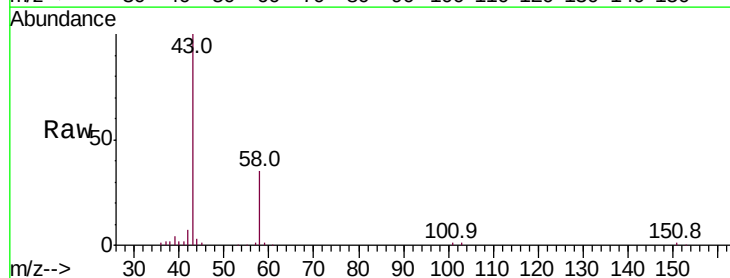
RT: 3.82 min Scan# 635

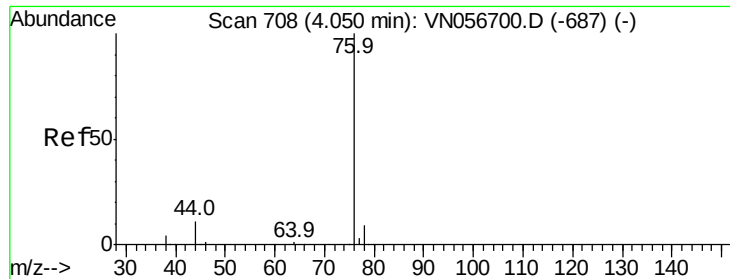
Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Tgt Ion:	43	Resp:	124011
Ion	Ratio	Lower	Upper
43	100		
58	35.0	26.7	40.1





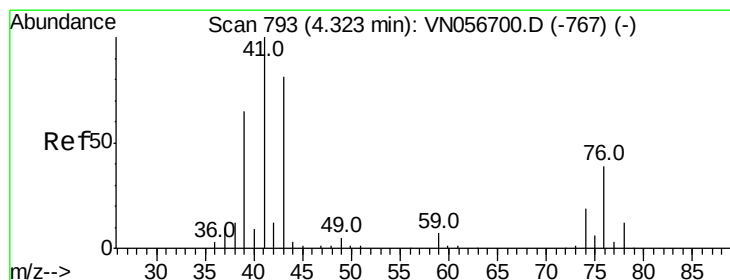
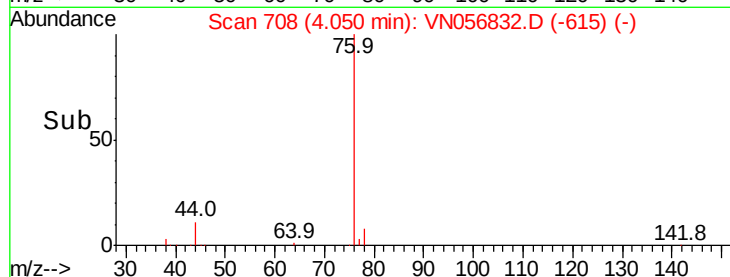
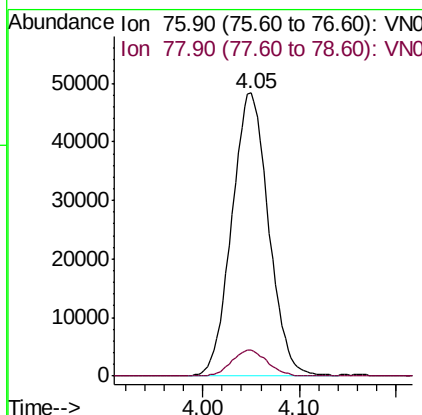
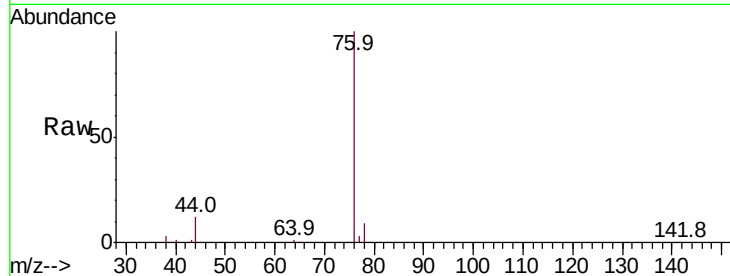
#17
Carbon Disulfide
Concen: 17.570 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

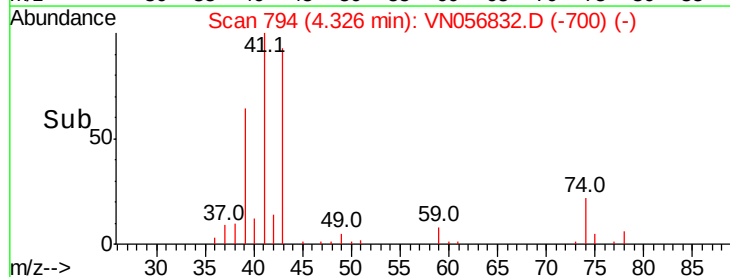
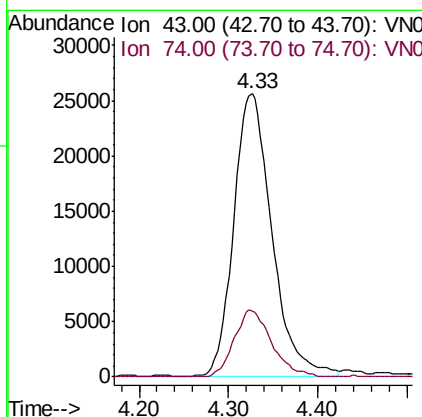
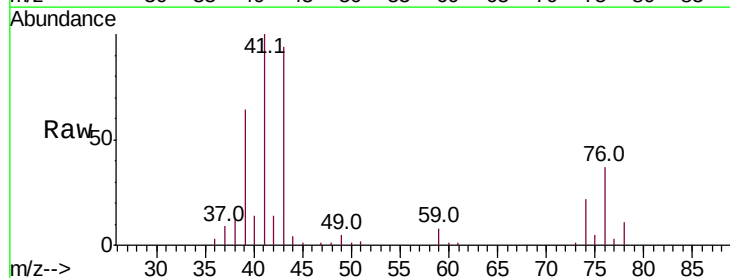
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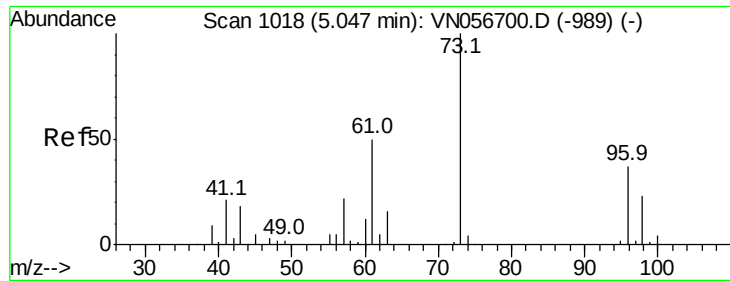
MMDadoda
7/23/2019 4:32:36 AM



#18
Methyl Acetate
Concen: 22.279 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.9	28.3





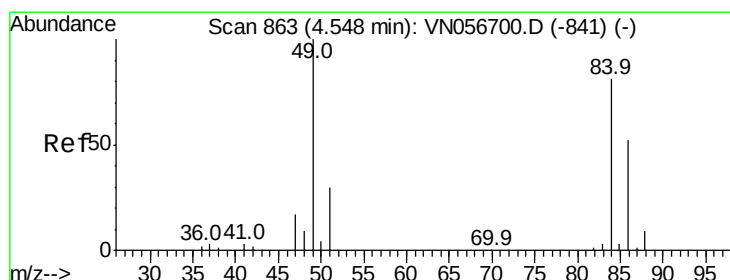
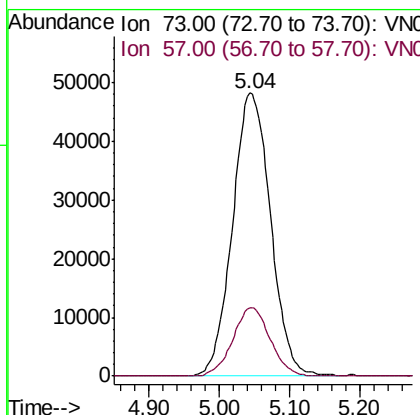
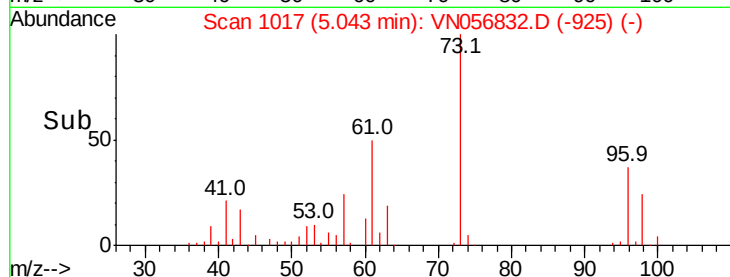
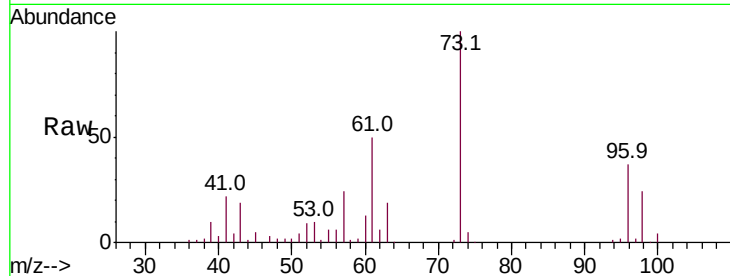
#19
Methyl tert-butyl Ether
Concen: 20.674 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion: 73 Resp: 181523
Ion Ratio Lower Upper
73 100
57 24.1 17.9 26.9

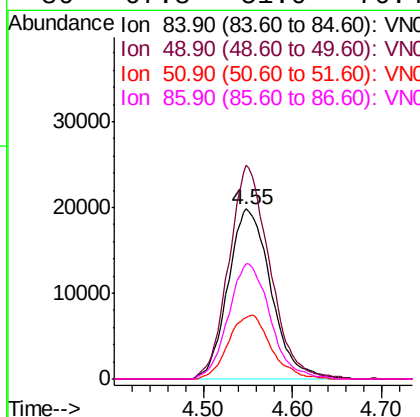
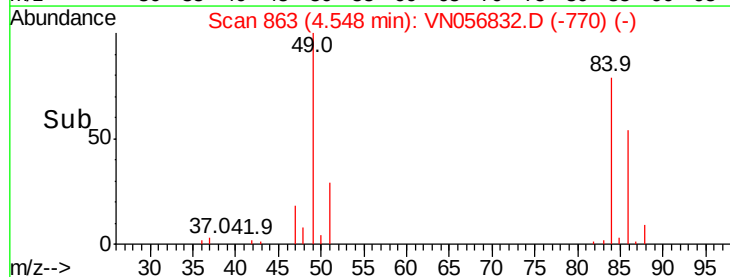
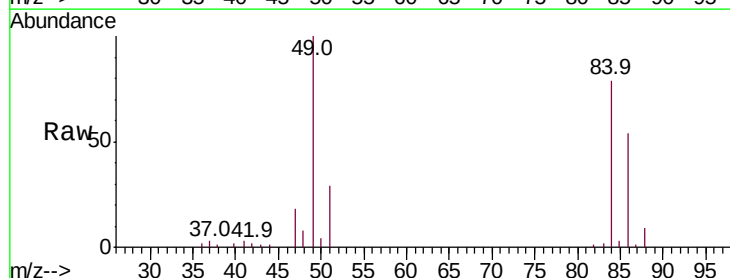
Manual Integrations
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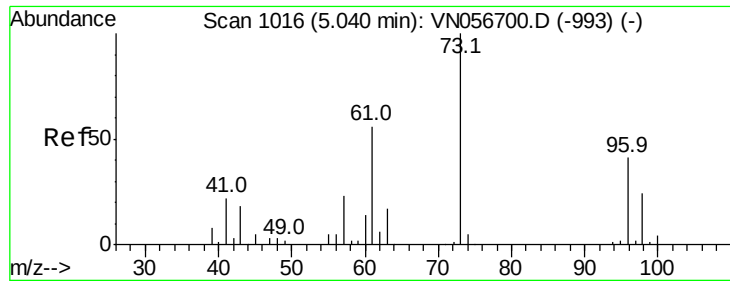
MMDadoda
7/23/2019 4:32:36 AM



#20
Methylene Chloride
Concen: 20.246 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 84 Resp: 66114
Ion Ratio Lower Upper
84 100
49 125.9 98.2 147.4
51 36.3 29.6 44.4
86 67.8 51.0 76.4





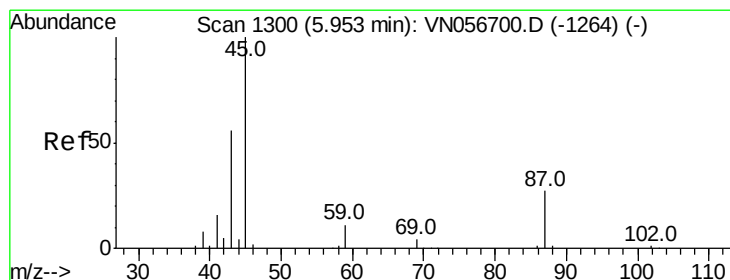
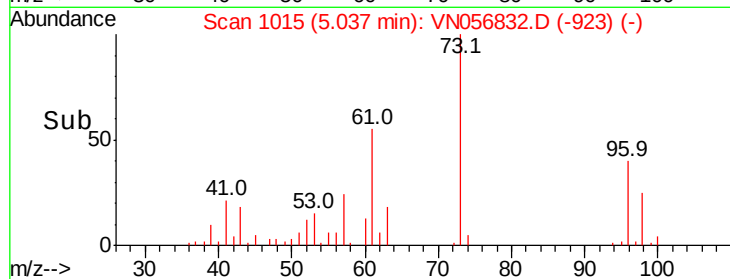
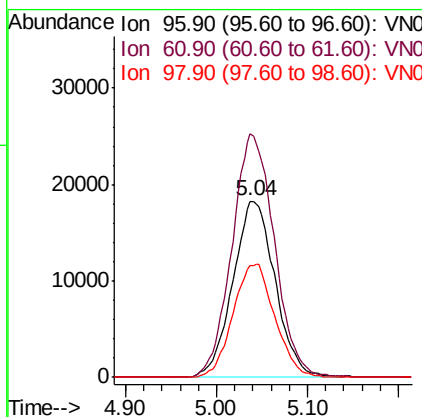
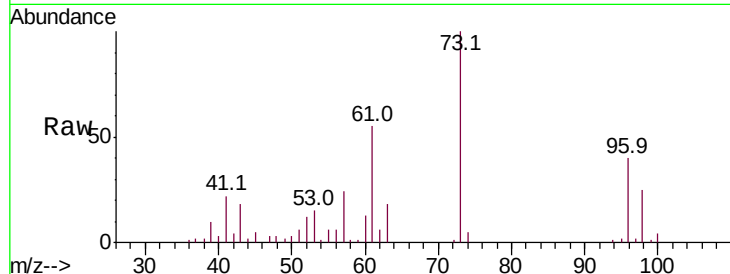
#21
trans-1,2-Dichloroethene
Concen: 20.192 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	109.4	164.2
98	63.3	48.0	72.0

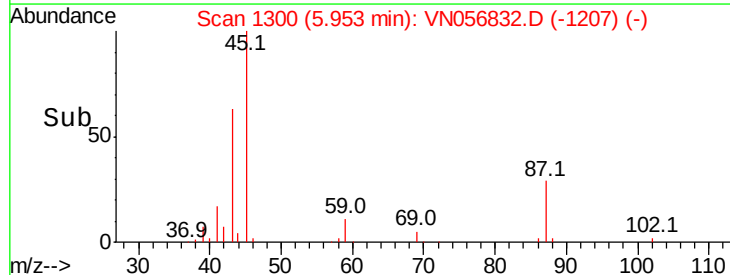
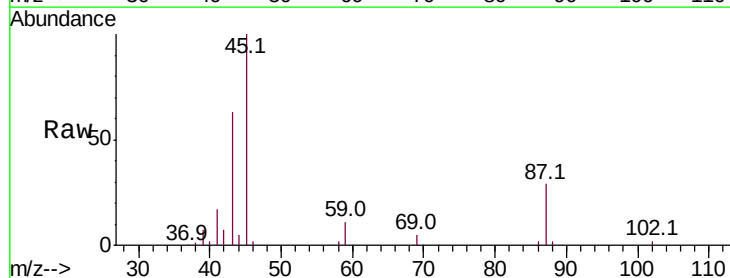
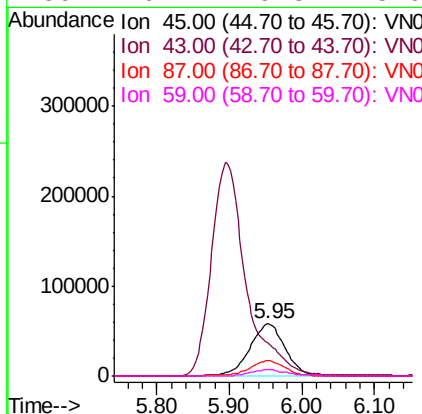
Manual Integrations
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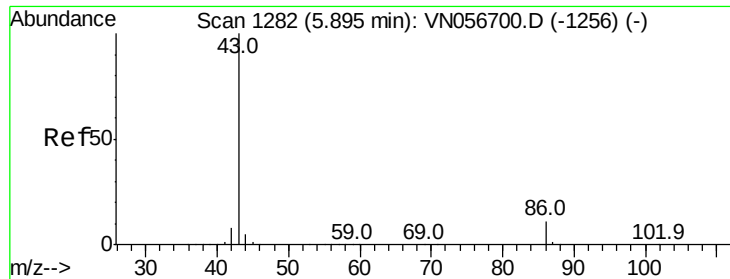
MMDadoda
7/23/2019 4:32:36 AM



#22
Diisopropyl ether
Concen: 20.919 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	45.6	68.4
87	28.9	22.0	33.0
59	10.7	9.3	13.9





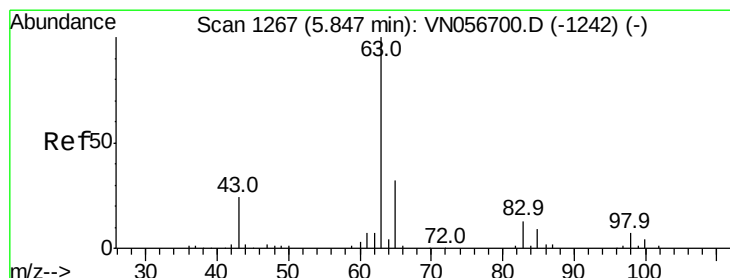
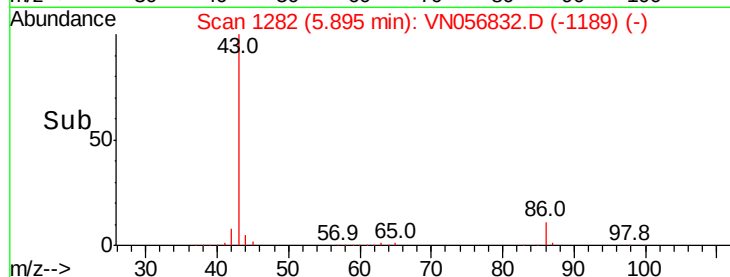
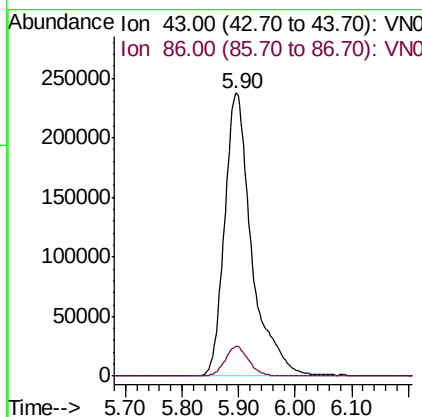
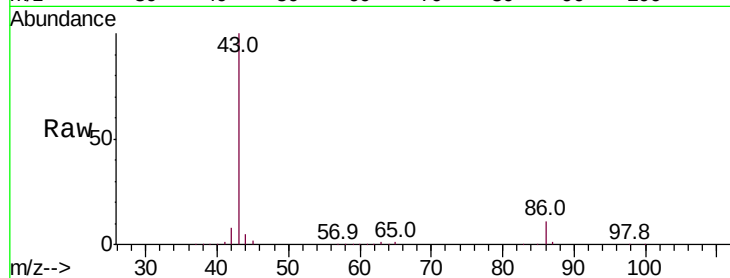
#23
 Vinyl Acetate
 Concen: 104.320 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7

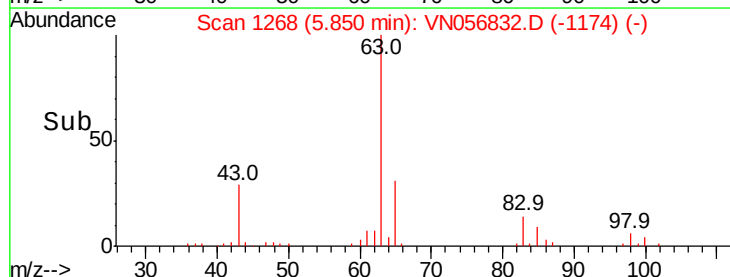
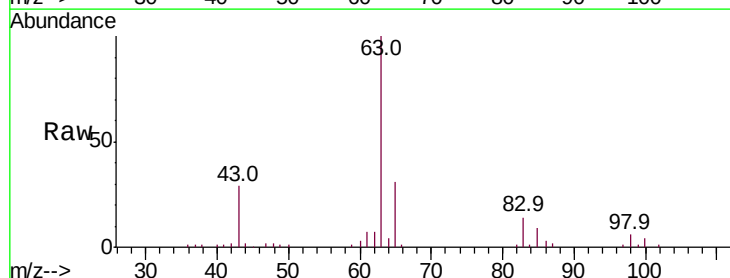
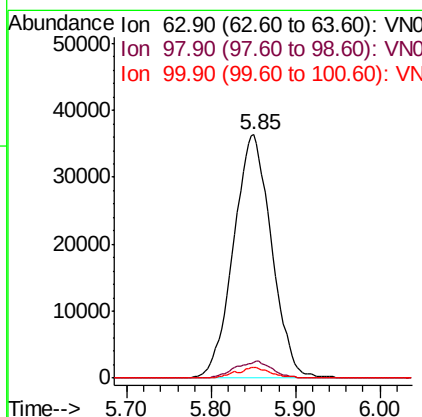
Manual Integrations
 APPROVED

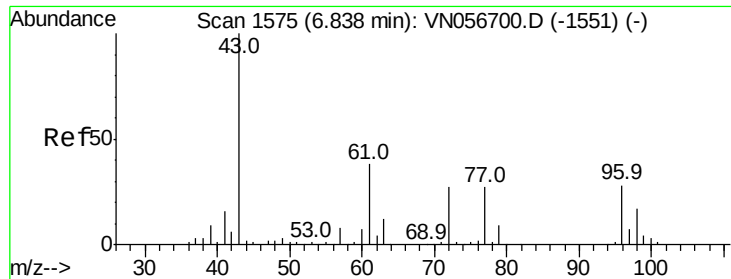
MMDadoda
 7/23/2019 4:32:36 AM



#24
 1,1-Dichloroethane
 Concen: 20.867 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.3	9.9
100	4.3	2.0	5.8





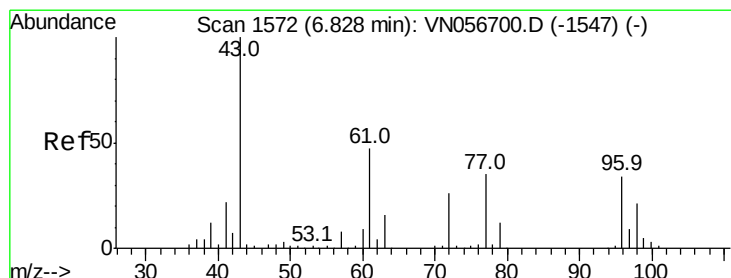
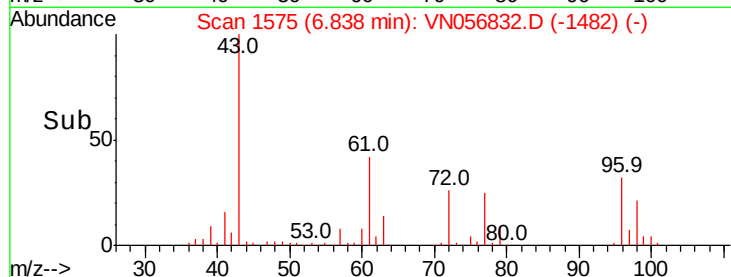
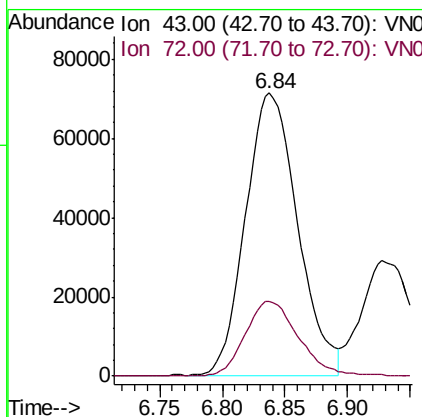
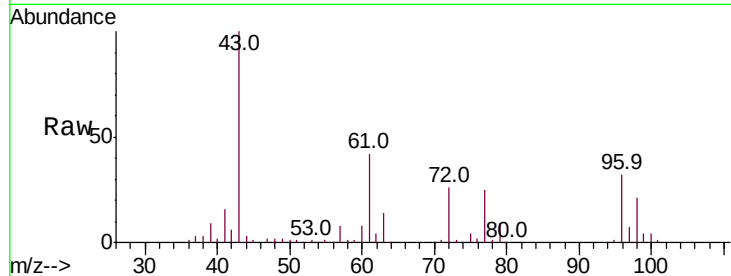
#25
2-Butanone
Concen: 94.229 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion: 43 Resp: 205856
Ion Ratio Lower Upper
43 100
72 26.3 21.2 31.8

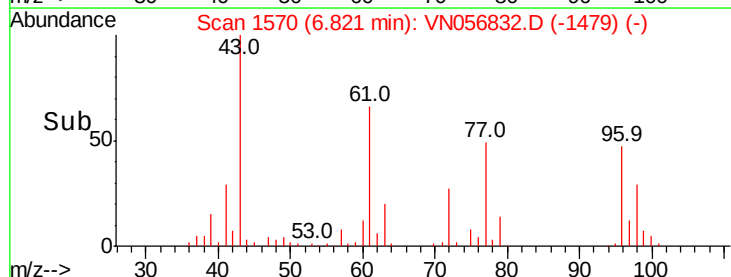
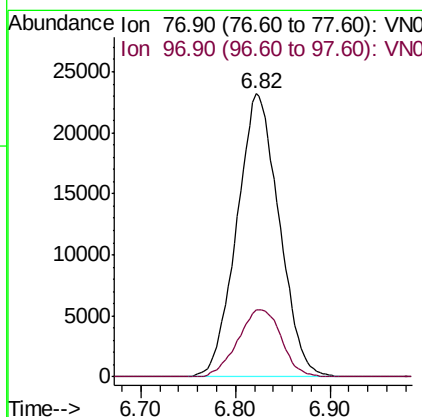
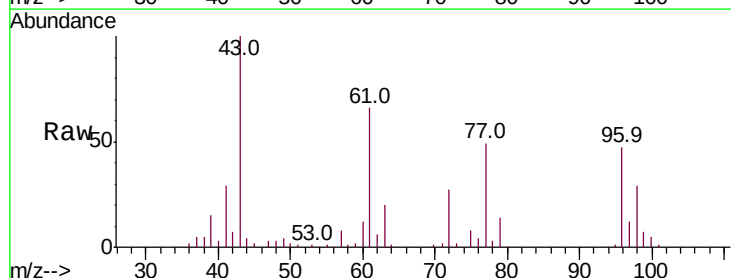
Manual Integrations
APPROVED

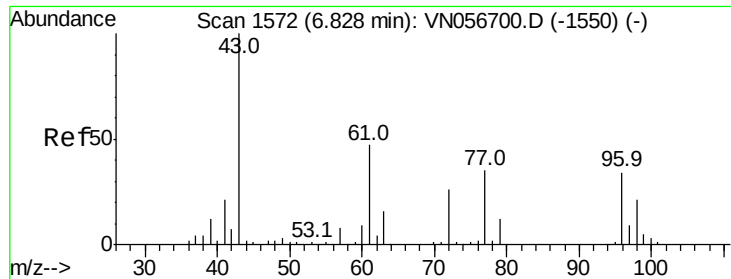
MMDadoda
7/23/2019 4:32:36 AM



#26
2,2-Dichloropropane
Concen: 18.298 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 77 Resp: 71958
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





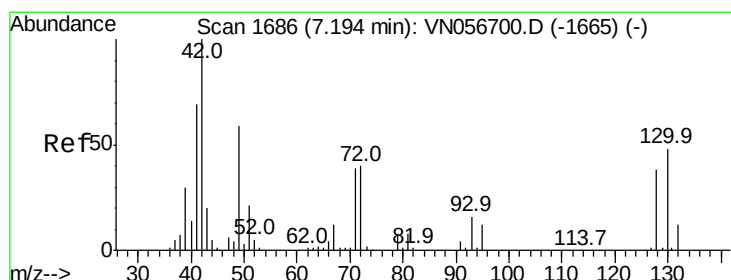
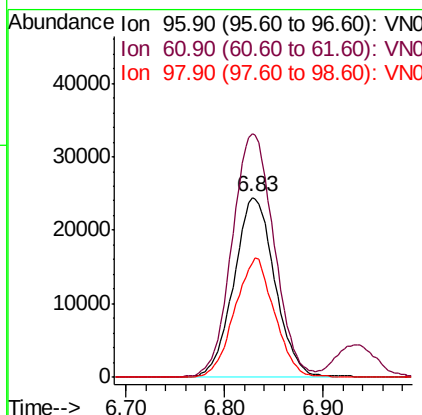
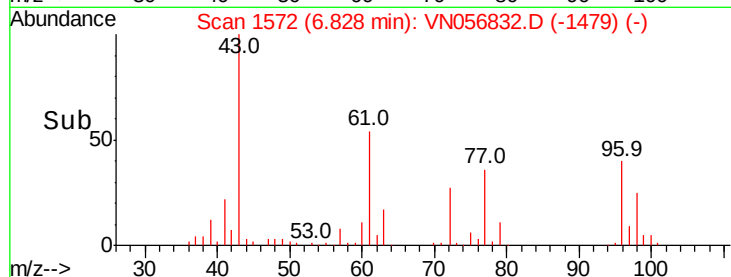
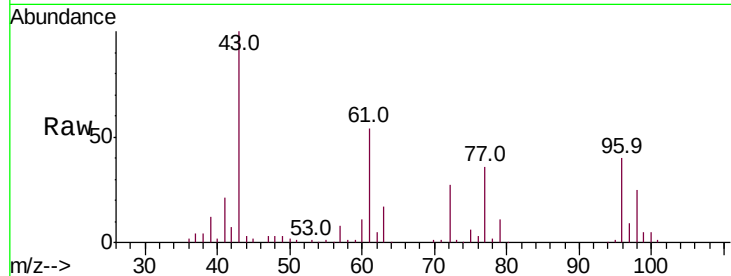
#27
 cis-1,2-Dichloroethene
 Concen: 20.968 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	281.4
98	64.1	0.0	127.8

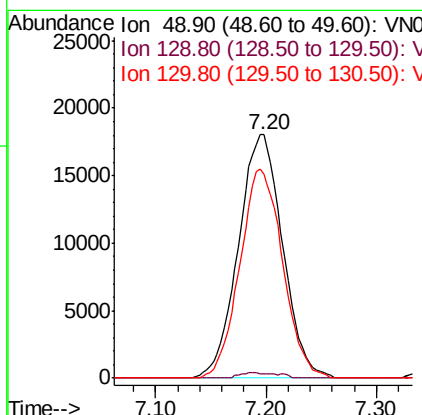
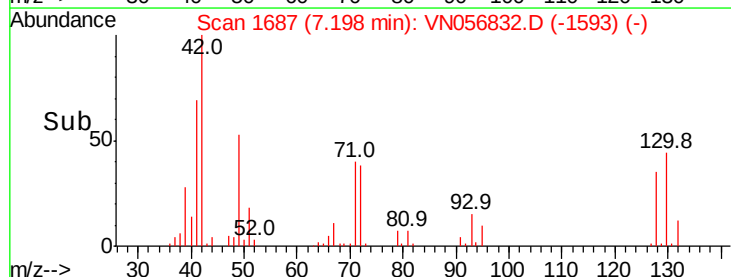
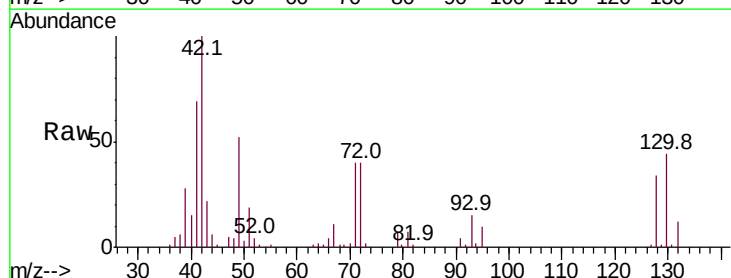
Manual Integrations
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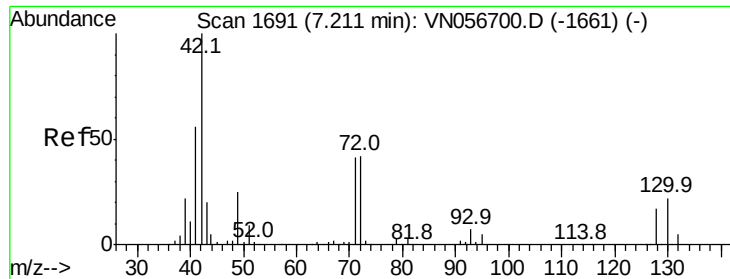
MMDadoda
 7/23/2019 4:32:36 AM



#28
 Bromochloromethane
 Concen: 19.508 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	83.1	64.7	97.1





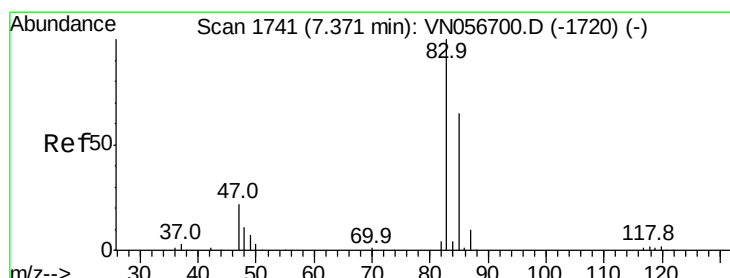
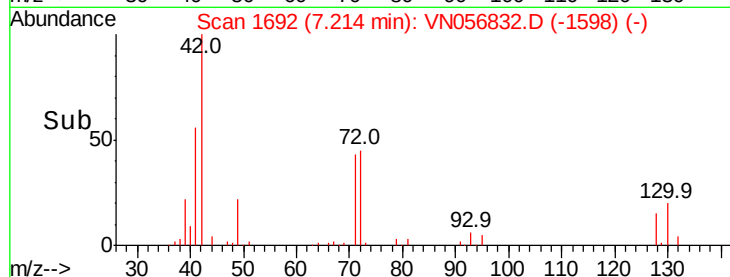
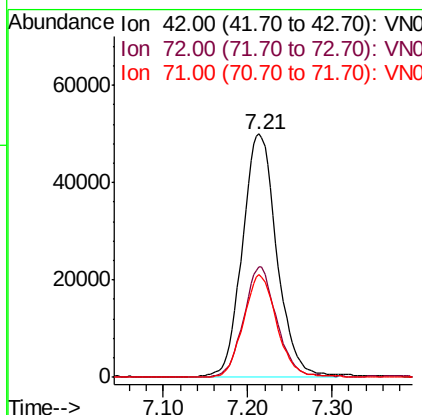
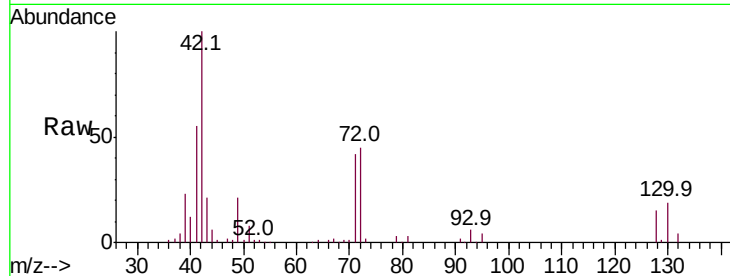
#29
Tetrahydrofuran
Concen: 99.937 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.5	50.3
71	40.6	31.8	47.8

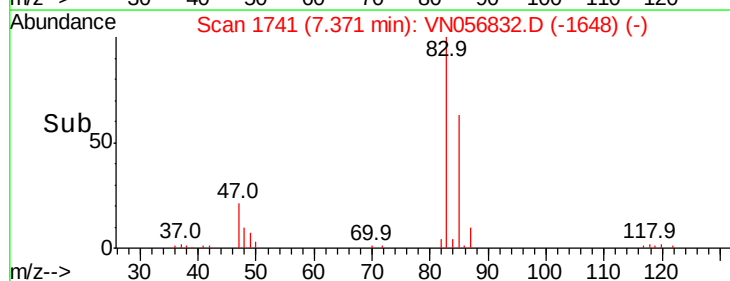
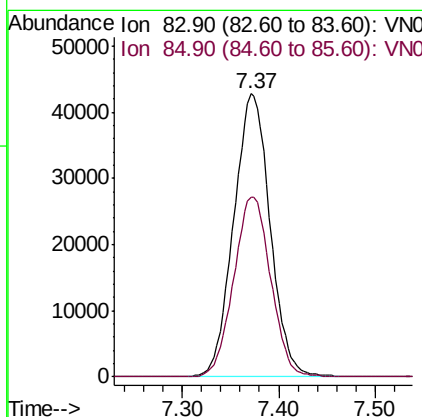
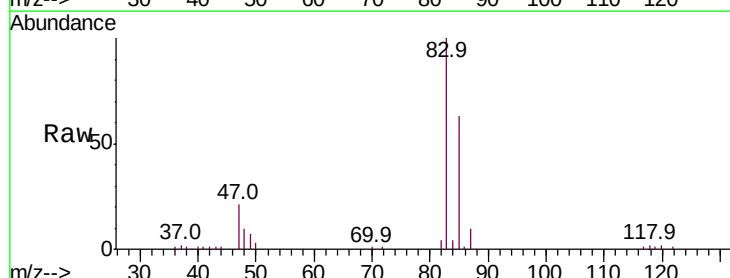
Manual Integrations
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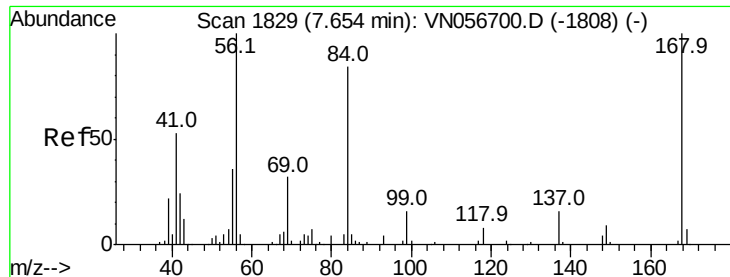
MMDadoda
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#30
Chloroform
Concen: 20.501 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.9	77.9





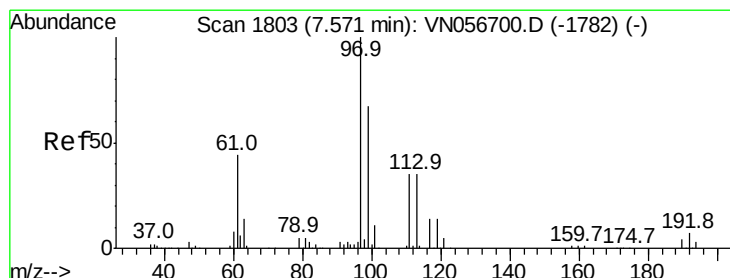
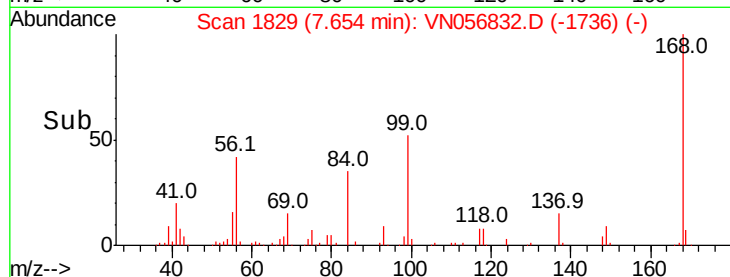
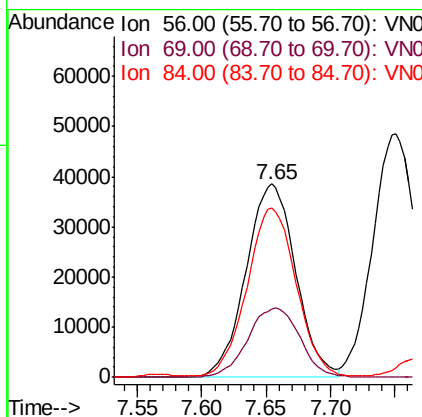
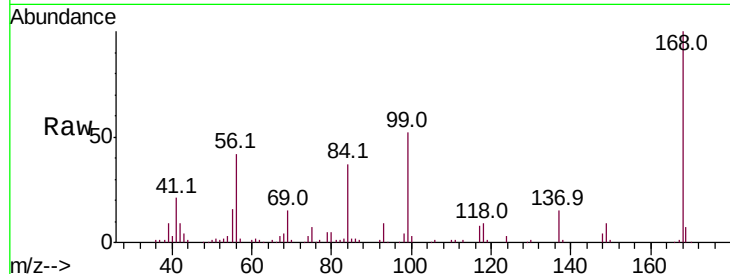
#31
Cyclohexane
Concen: 19.956 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	25.8	38.8
84	86.3	67.4	101.0

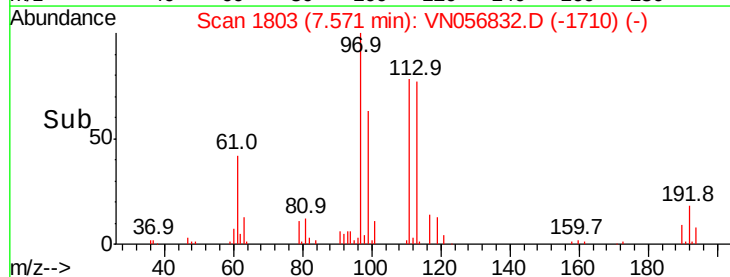
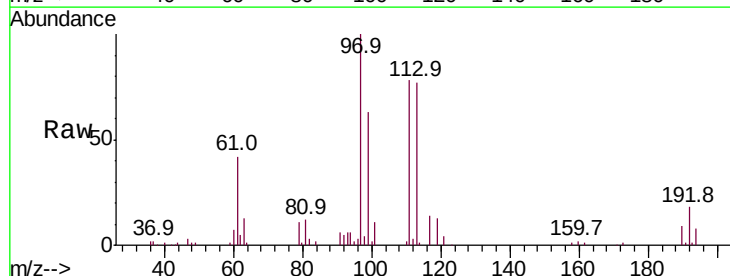
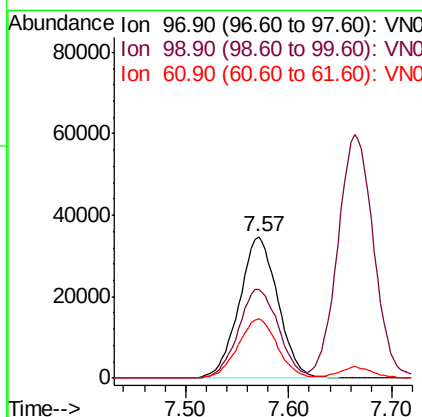
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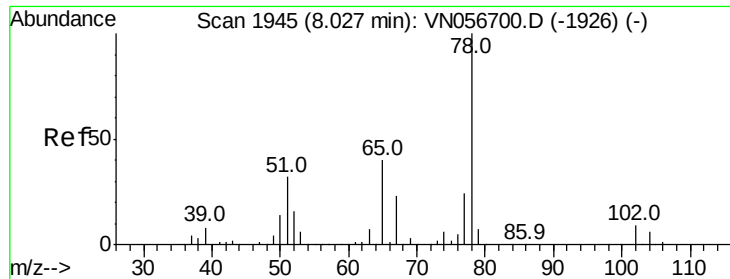
MMDadoda
7/23/2019 4:32:36 AM



#32
1,1,1-Trichloroethane
Concen: 20.962 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	42.5	34.3	51.5





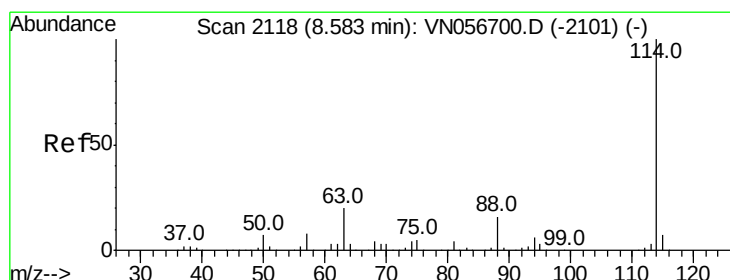
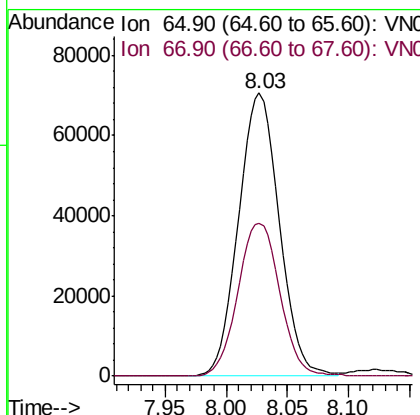
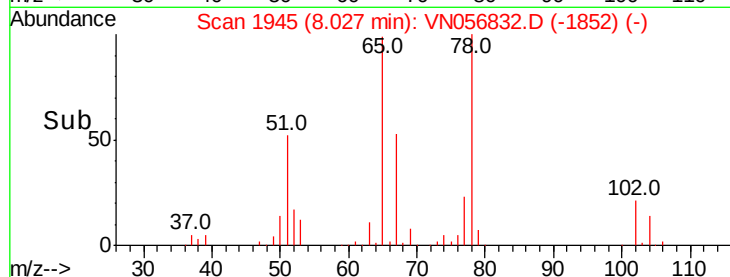
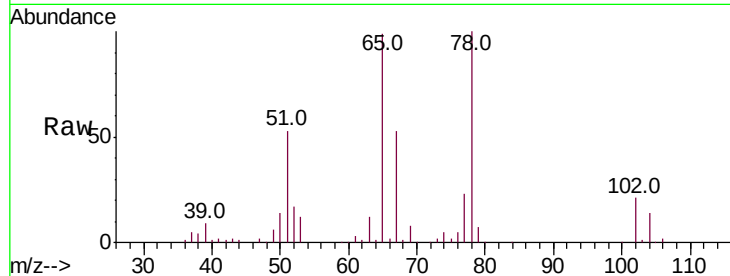
#33
 1,2-Dichloroethane-d4
 Concen: 50.336 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	109.0

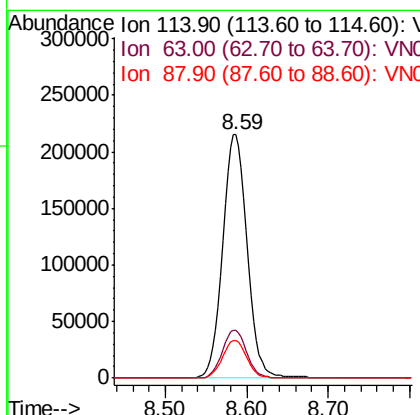
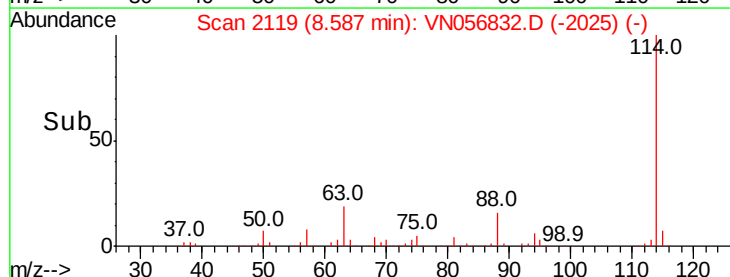
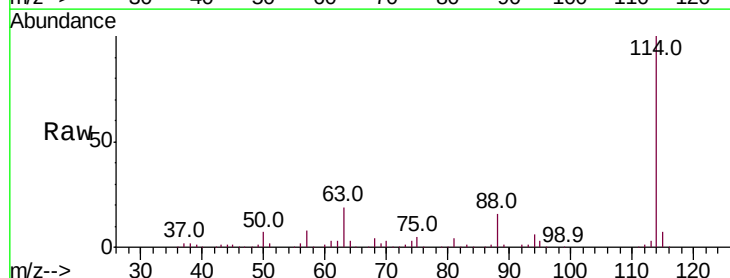
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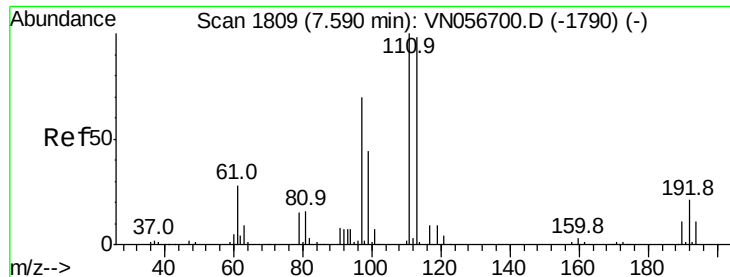
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	15.6	0.0	31.2





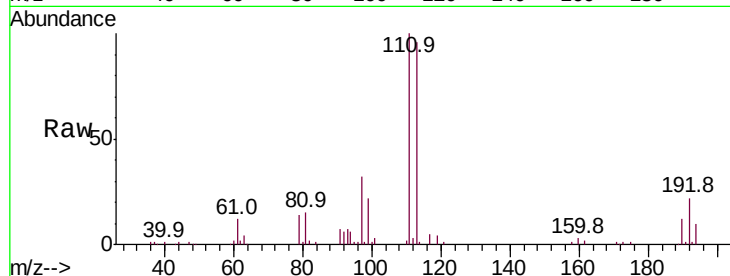
#35
 Dibromofluoromethane
 Concen: 50.401 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	81.8	122.6	
192	22.5	17.5	26.3	

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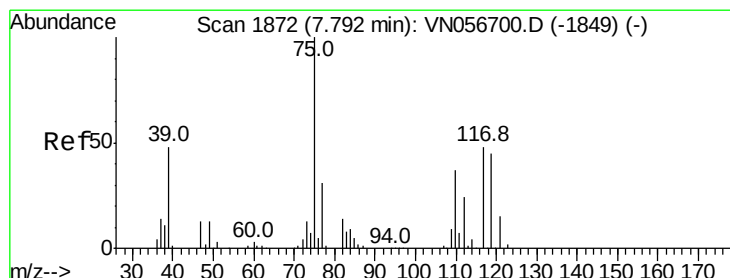
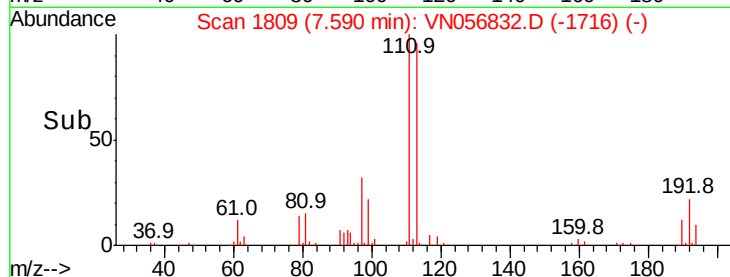
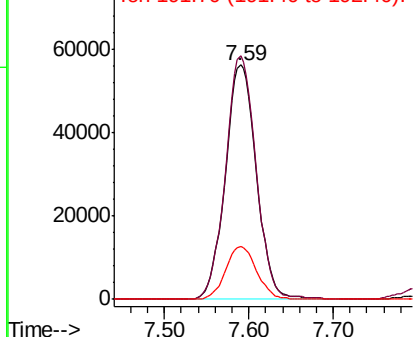


Abundance

Ion 112.80 (112.50 to 113.50): V

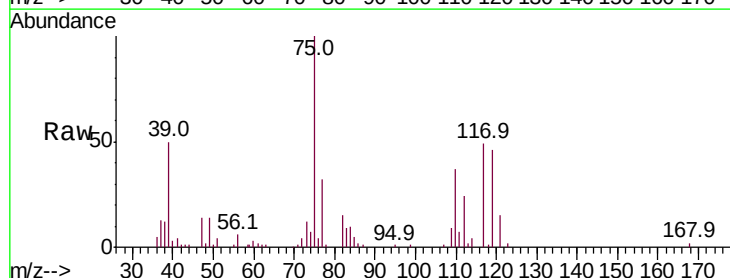
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.285 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.4	55.4	
77	30.8	24.6	36.8	

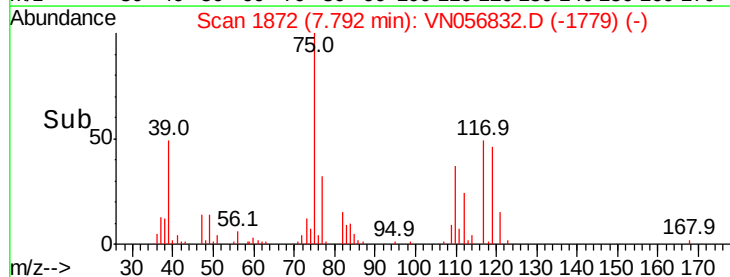
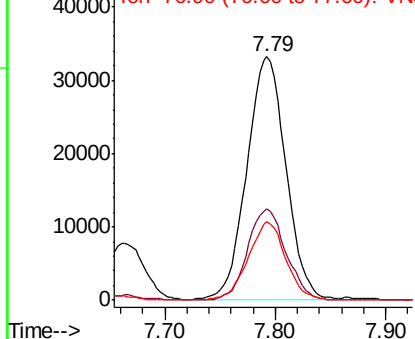


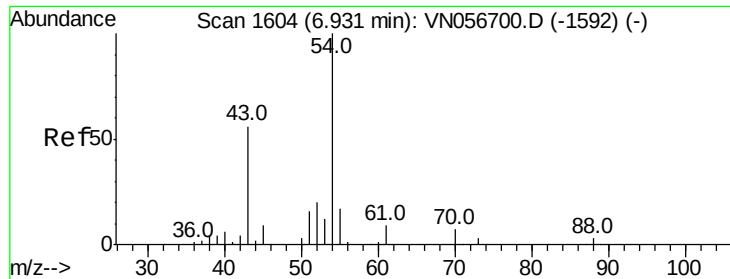
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





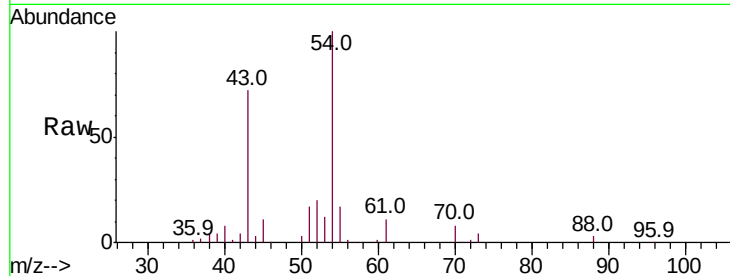
#37
Ethyl Acetate
Concen: 20.142 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.3	16.9
70	10.8	8.5	12.7

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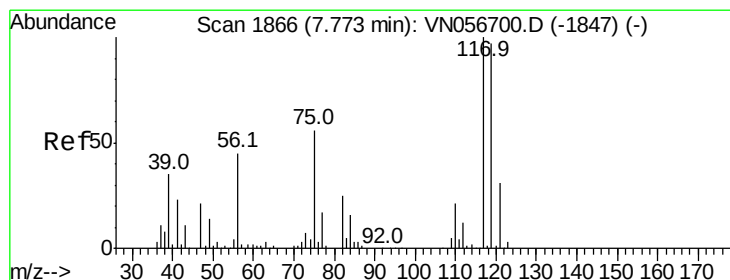
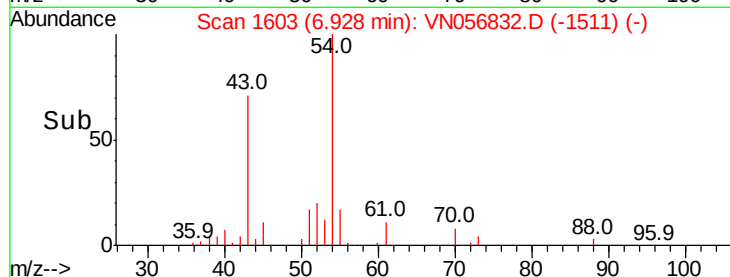
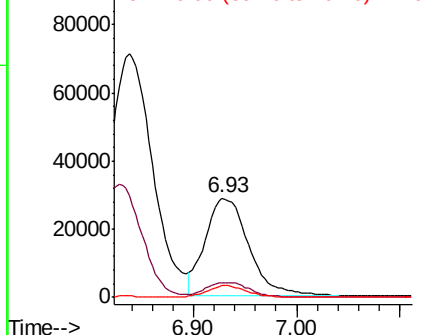


Abundance

Ion 43.00 (42.70 to 43.70): VN056700.D (-1592) (-)

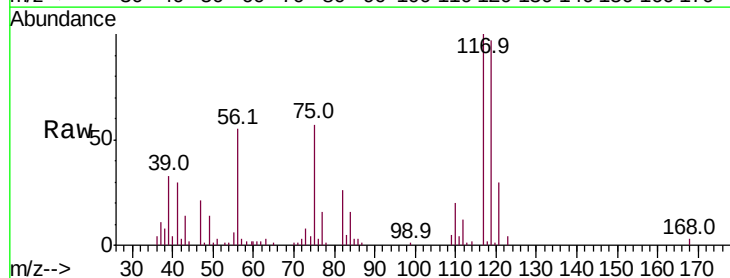
Ion 60.90 (60.60 to 61.60): VN056700.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN056700.D (-1592) (-)



#38
Carbon Tetrachloride
Concen: 19.292 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.5	116.3
121	30.3	24.7	37.1

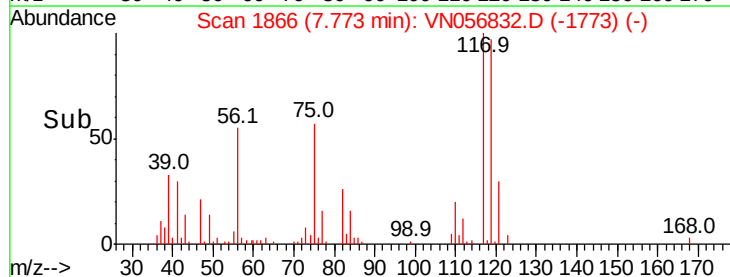
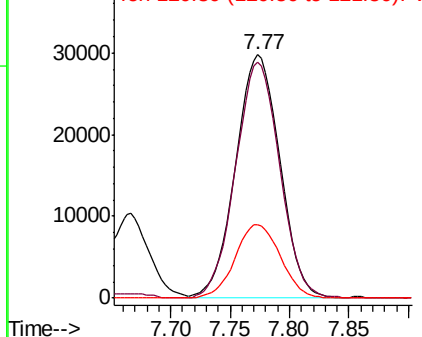


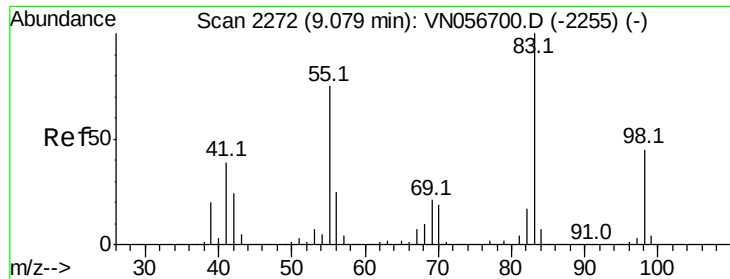
Abundance

Ion 116.80 (116.50 to 117.50): VN056700.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN056700.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN056700.D (-1847) (-)





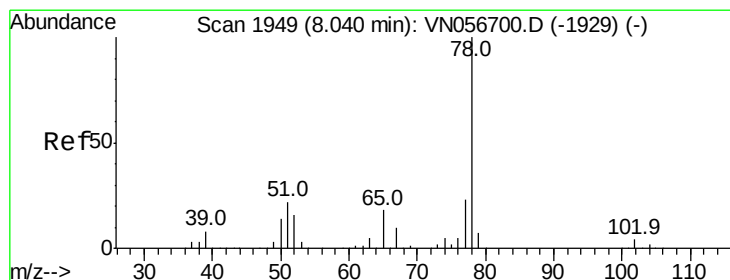
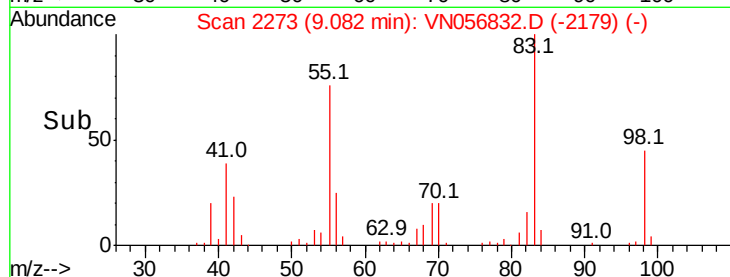
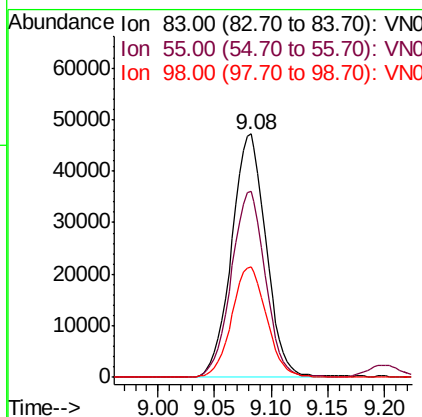
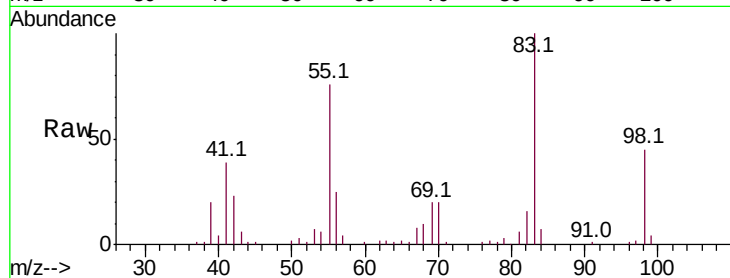
#39
Methylvlcyclohexane
Concen: 19.098 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	83	Resp	99990
Ion Ratio	100	Lower	Upper
83	100		
55	76.2	60.4	90.6
98	45.3	35.8	53.8

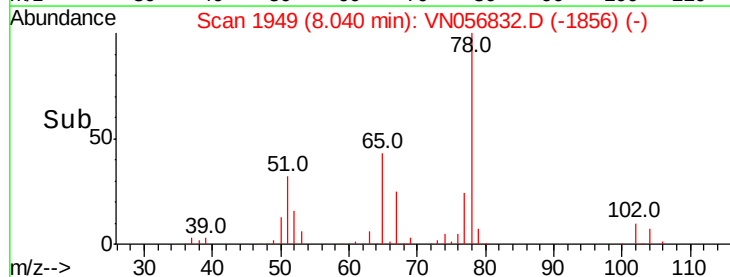
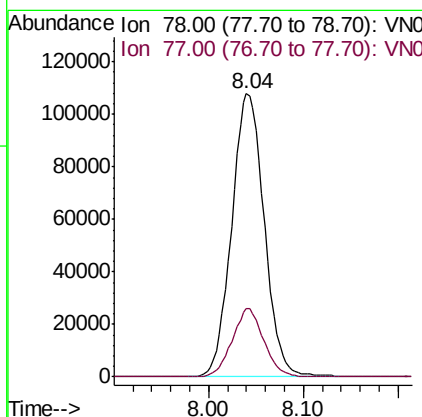
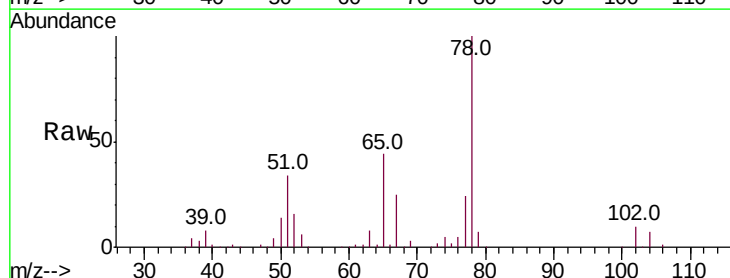
Manual Integrations
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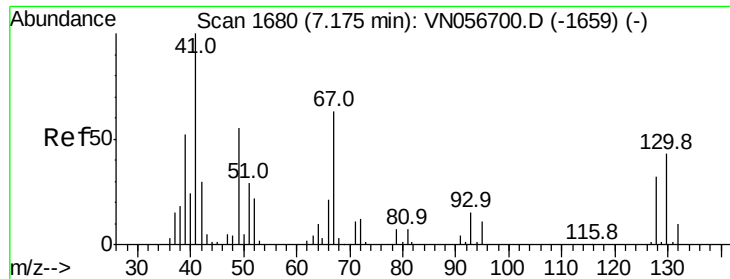
MMDadoda
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#40
Benzene
Concen: 19.849 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	78	Resp	257875
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	18.6	27.8





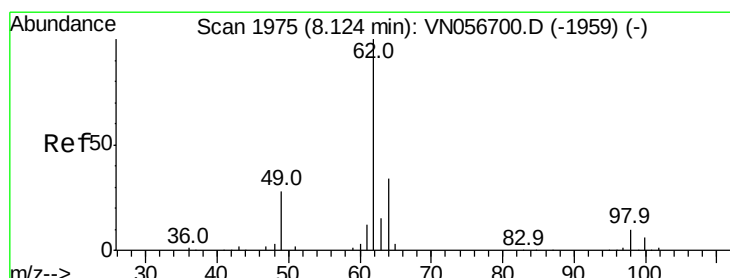
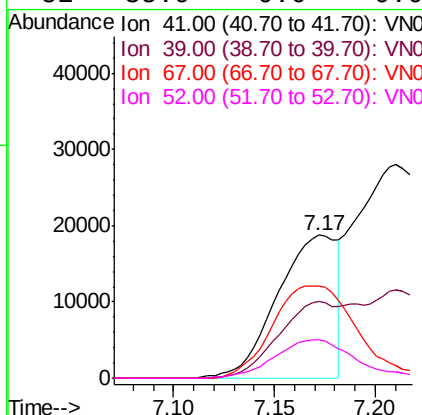
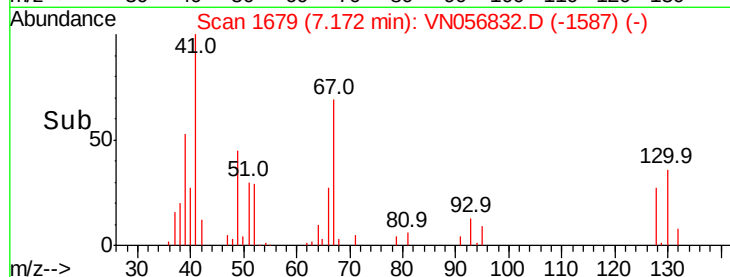
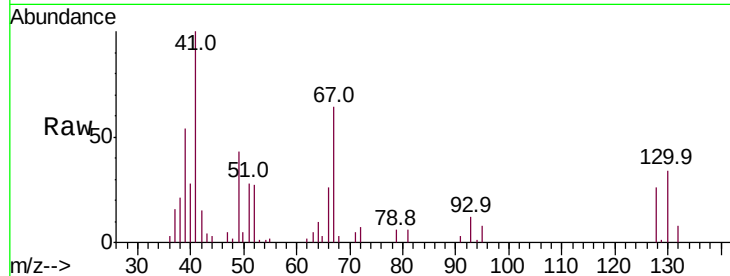
#41
Methacrylonitrile
Concen: 21.043 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.9	0.0	0.0#
67	91.4	0.0	0.0#
52	35.9	0.0	0.0#

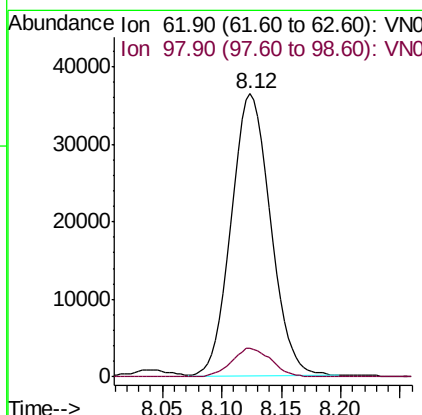
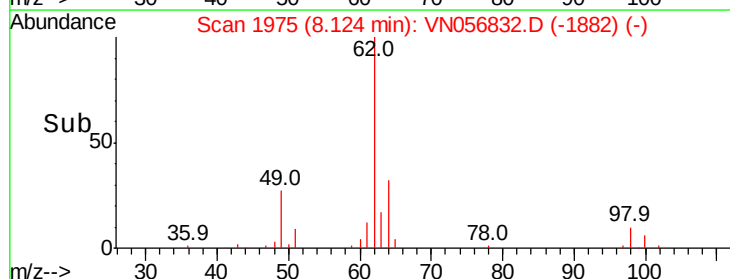
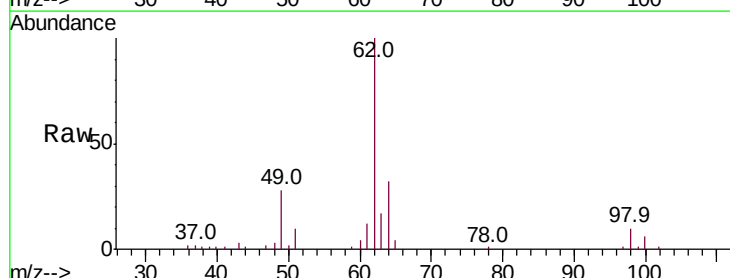
Manual Integrations
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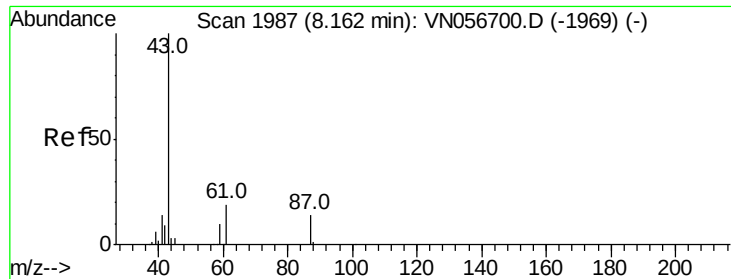
MMDadoda
7/23/2019 4:32:36 AM



#42
1,2-Dichloroethane
Concen: 20.344 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.8





#43

Isopropyl Acetate

Concen: 20.648 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

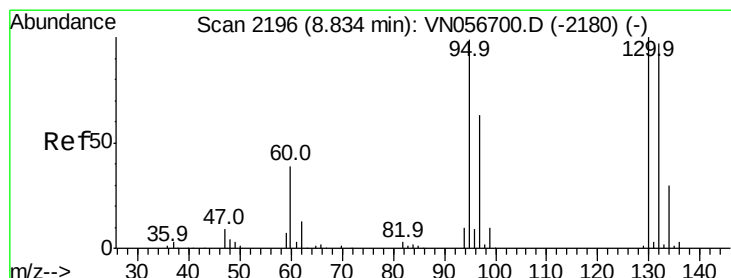
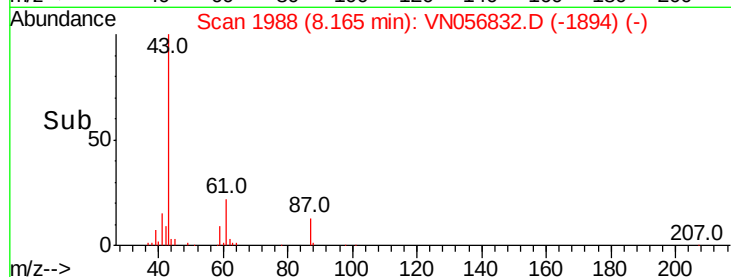
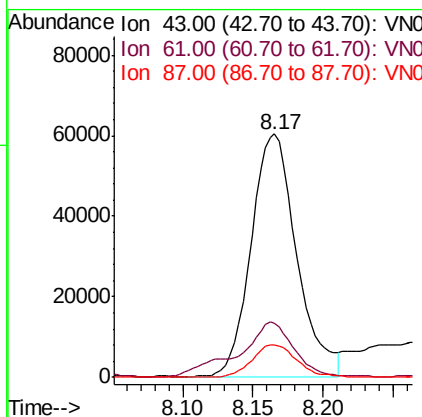
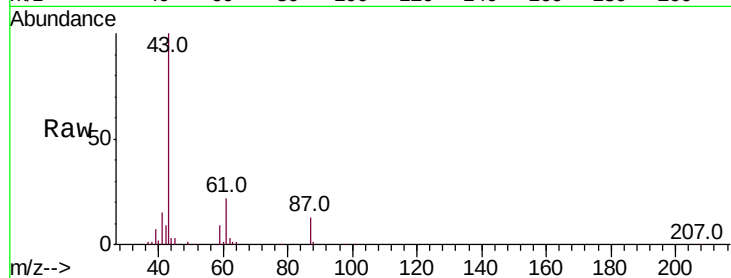
ClientSampleId :

VN0719WBSD01

Tot Ion:	43	Resp:	135653
Ion	Ratio	Lower	Upper
43	100		
61	28.4	22.3	33.5
87	13.2	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 19.788 ug/l

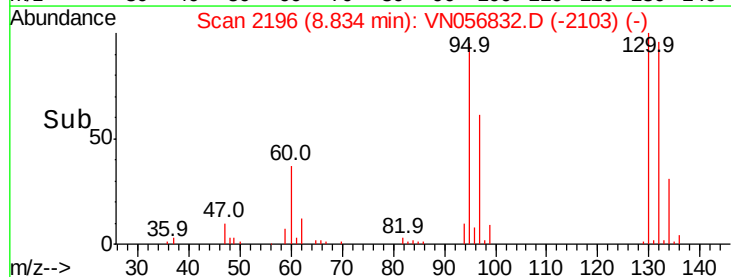
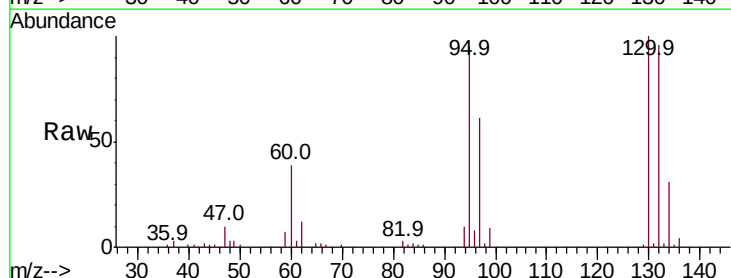
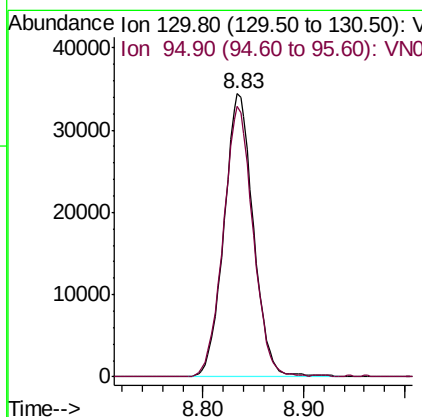
RT: 8.83 min Scan# 2196

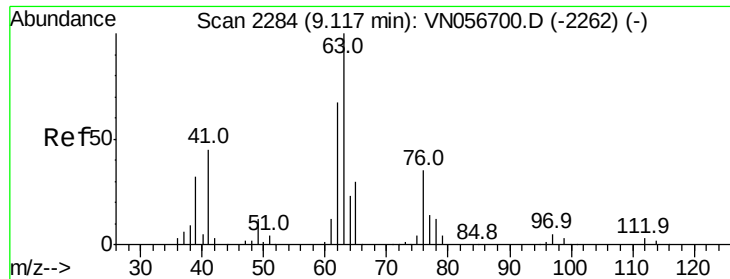
Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Tgt Ion:	130	Resp:	69814
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	197.2





#45

1,2-Dichloropropane

Concen: 20.120 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

VN0719WBSD01

Tot Ion: 63 Resp: 69459

Ion Ratio Lower Upper

63 100

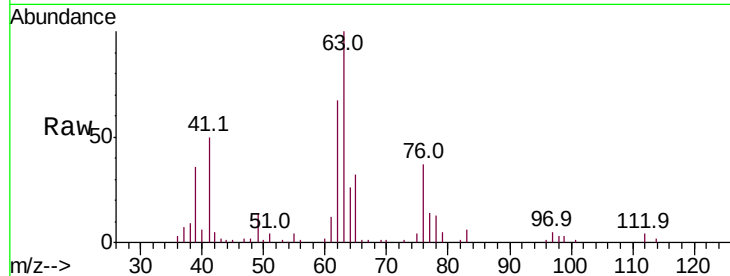
65 31.9 24.0 36.0

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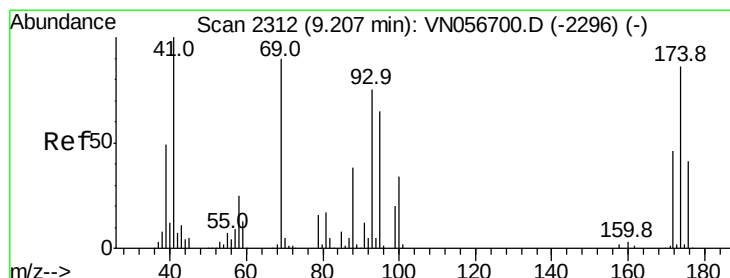
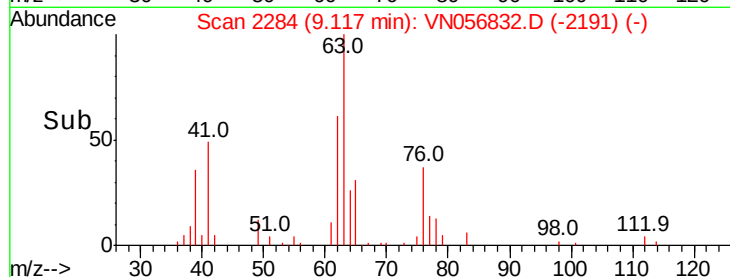
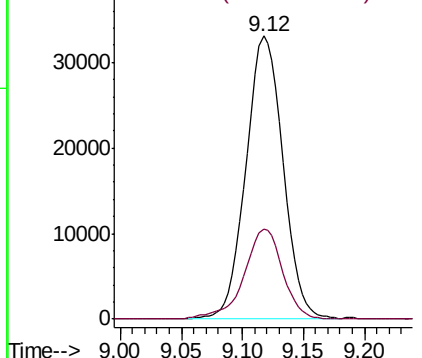
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.607 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

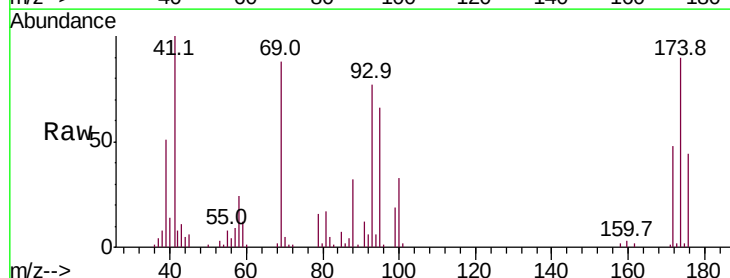
Tgt Ion: 93 Resp: 44086

Ion Ratio Lower Upper

93 100

95 84.9 67.4 101.0

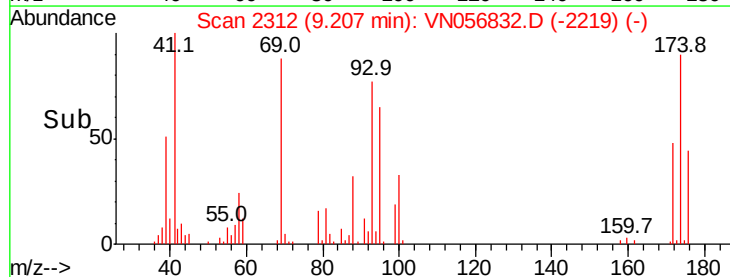
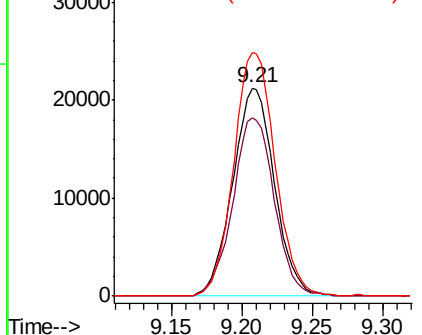
174 116.2 90.3 135.5

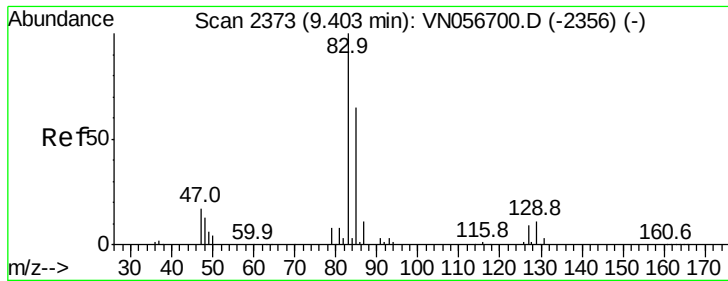


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.249 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

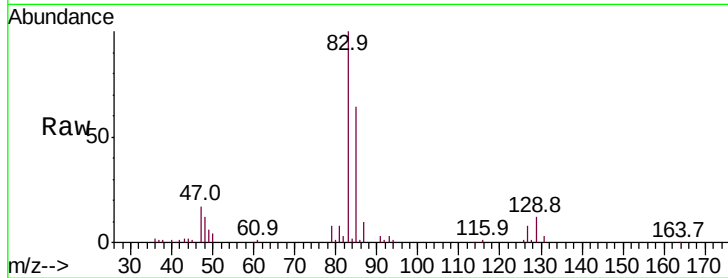
ClientSampleId :

VN0719WBSD01

Tot Ion:	83	Resp:	82318
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.3	78.5
127	8.4	7.6	11.4

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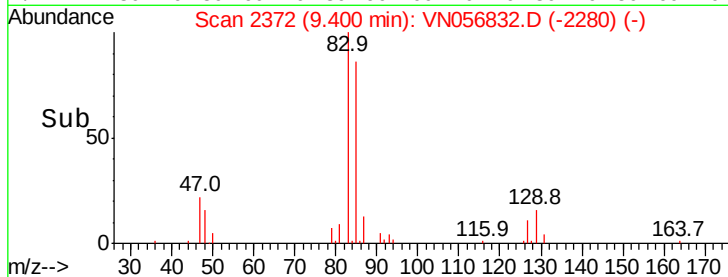


Abundance Ion 82.90 (82.60 to 83.60): VN056832.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056832.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056832.D (-2280) (-)

Time--> 9.30 9.35 9.40 9.45 9.50

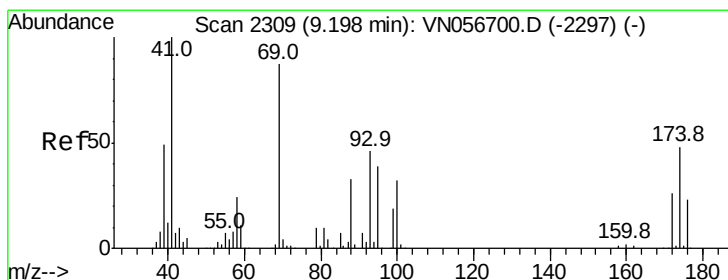


Abundance Ion 82.90 (82.60 to 83.60): VN056832.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056832.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056832.D (-2280) (-)

Time--> 9.30 9.35 9.40 9.45 9.50



#48

Methyl methacrylate

Concen: 19.712 ug/l

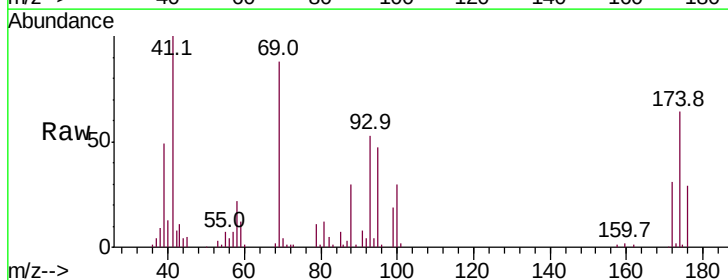
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Tgt Ion:	41	Resp:	62629
Ion Ratio	Lower	Upper	
41	100		
69	90.7	71.4	107.0
39	52.7	41.2	61.8

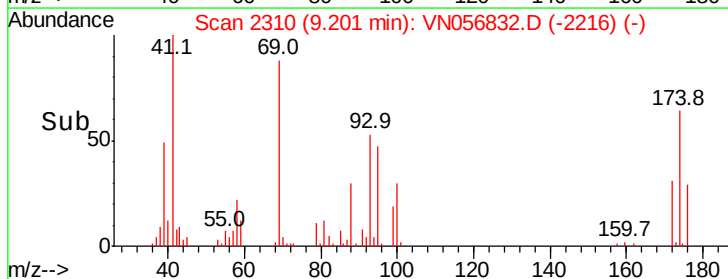


Abundance Ion 41.00 (40.70 to 41.70): VN056832.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056832.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056832.D (-2216) (-)

Time--> 9.15 9.20 9.25

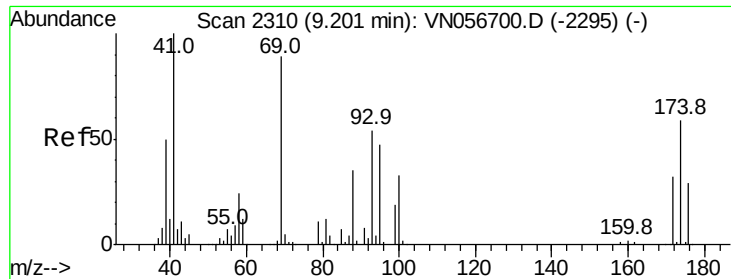


Abundance Ion 41.00 (40.70 to 41.70): VN056832.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056832.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056832.D (-2216) (-)

Time--> 9.15 9.20 9.25



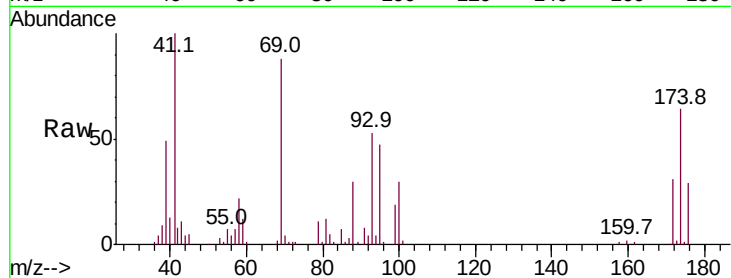
#49
1,4-Dioxane
Concen: 331.841 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	23.7	35.5
58	74.2	55.6	83.4

Manual Integrations
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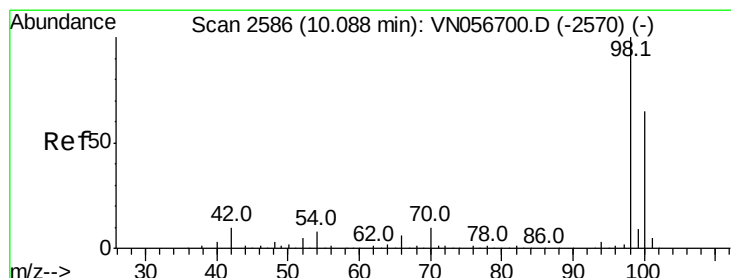
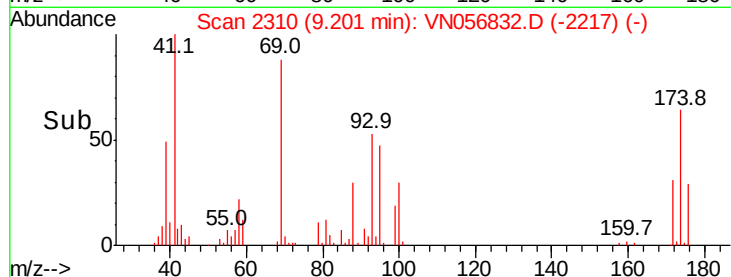
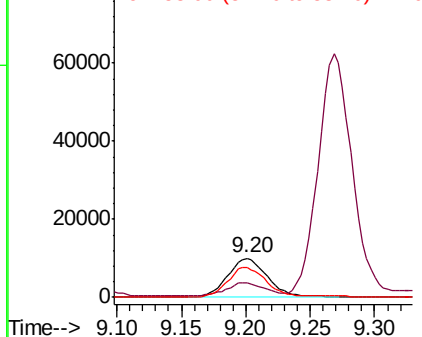


Abundance

Ion 88.00 (87.70 to 88.70): VN0

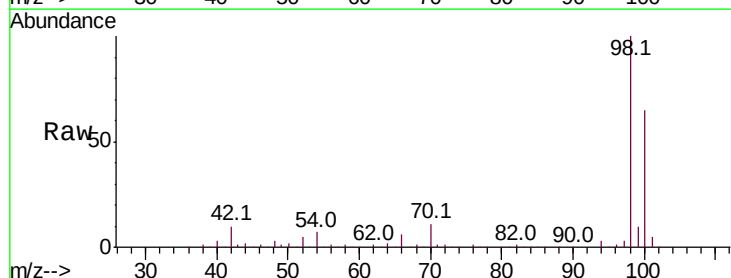
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.828 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

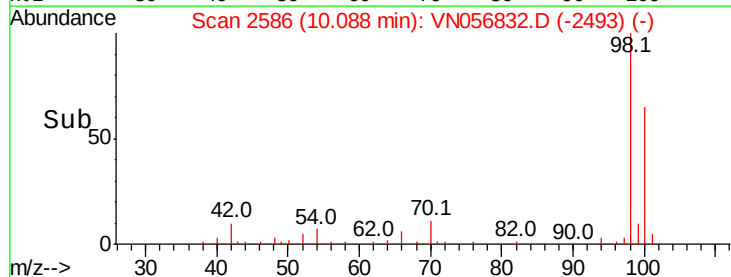
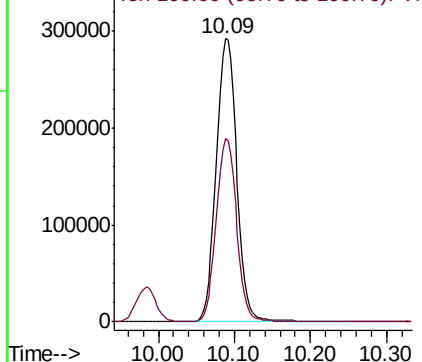
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0

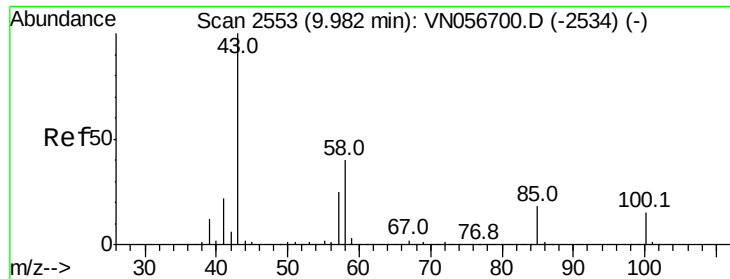


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





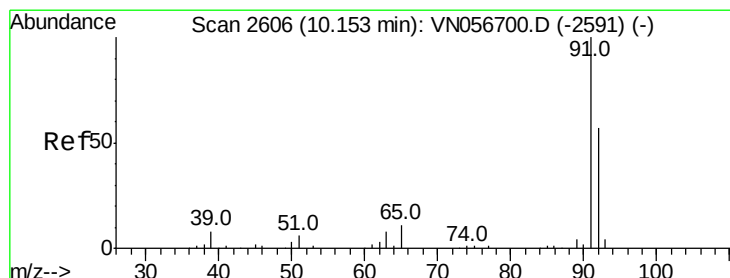
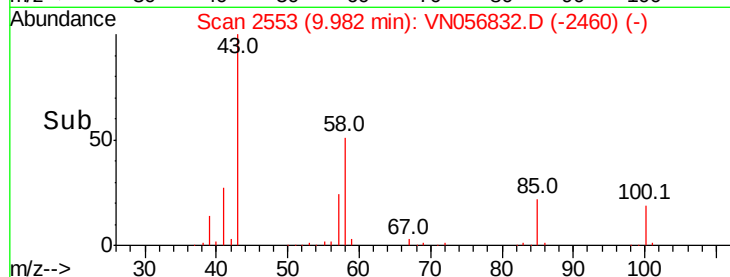
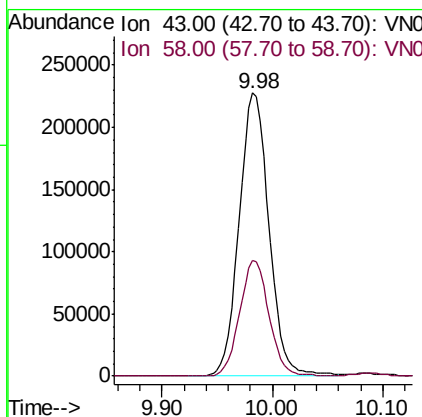
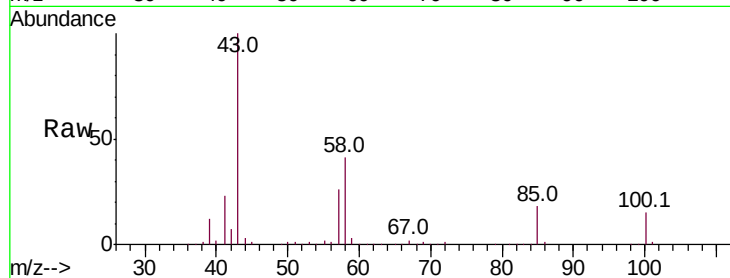
#51
4-Methyl-2-Pentanone
Concen: 99.629 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	43	58	Ratio	100	40.6	Resp	423940	Lower	32.0	Upper	48.0
Ion	43	58	Ratio	100	40.6	Resp	423940	Lower	32.0	Upper	48.0

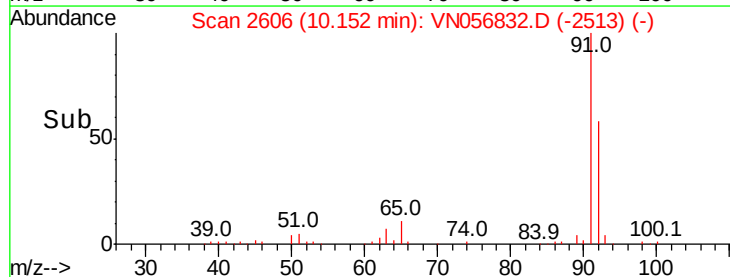
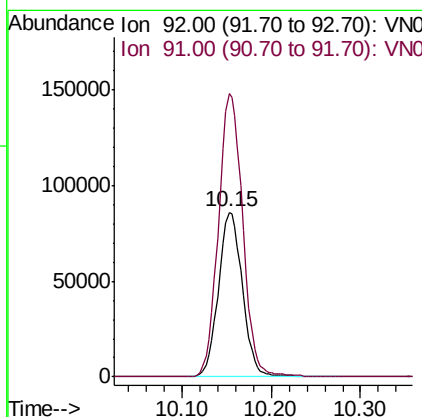
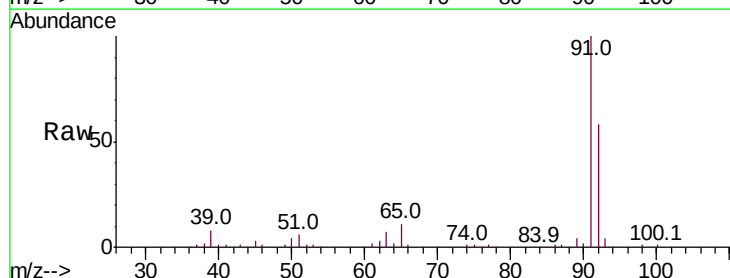
Manual Integrations
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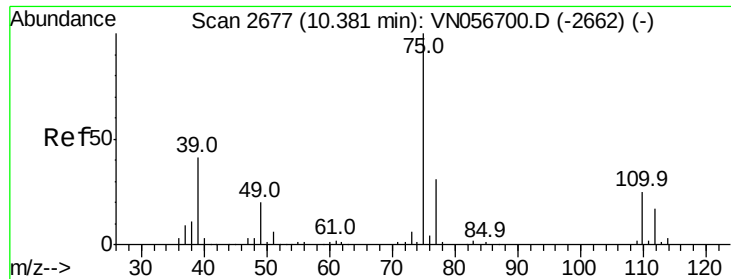
MMDadoda
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#52
Toluene
Concen: 20.802 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	92	91	Ratio	100	174.2	Resp	160505	Lower	139.9	Upper	209.9
Ion	92	91	Ratio	100	174.2	Resp	160505	Lower	139.9	Upper	209.9





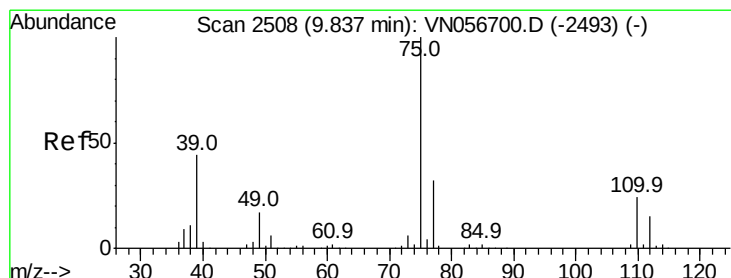
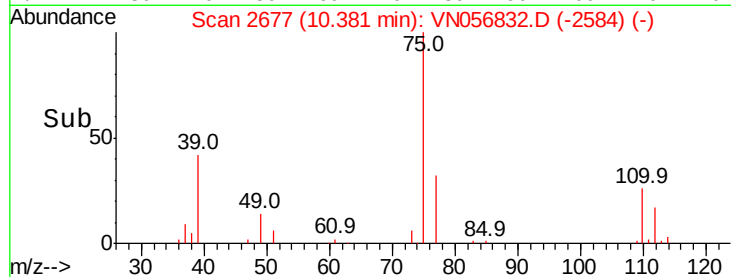
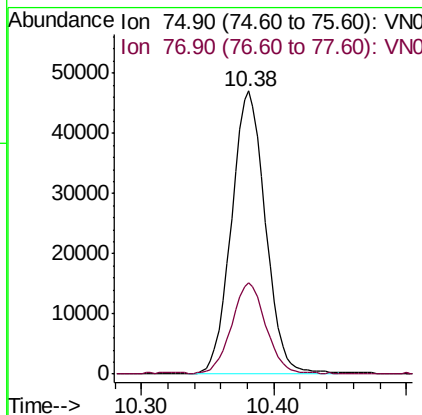
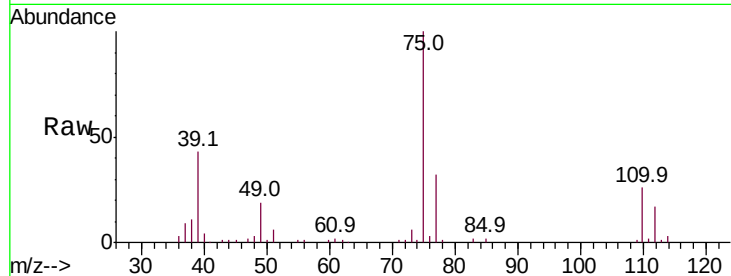
#53
t-1,3-Dichloropropene
Concen: 19.715 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion: 75 Resp: 83617
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.6

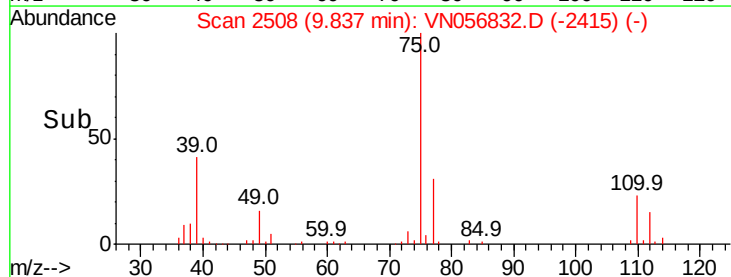
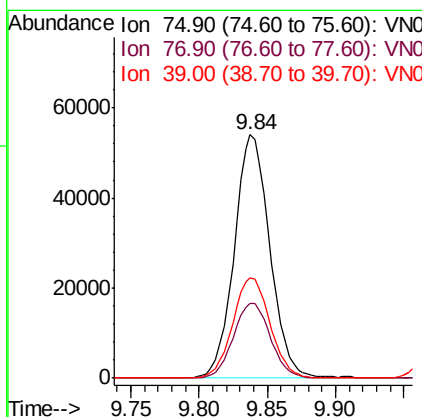
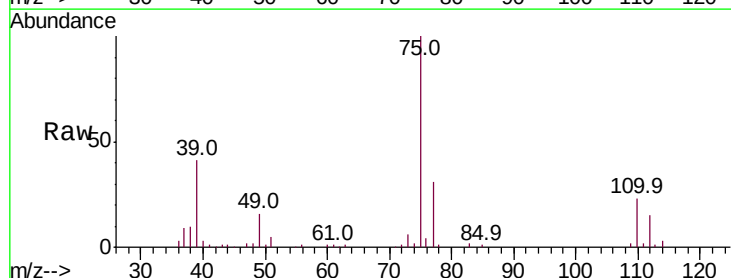
Manual Integrations
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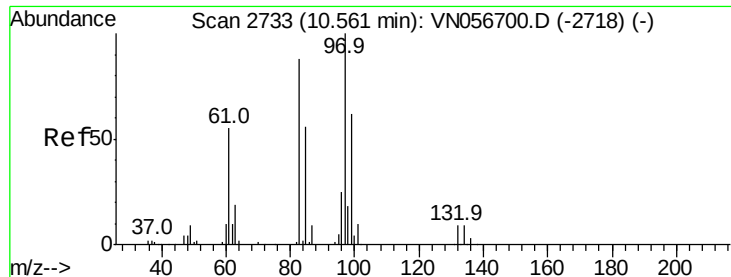
MMDadoda
7/23/2019 4:32:36 AM



#54
cis-1,3-Dichloropropene
Concen: 19.843 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 75 Resp: 97664
Ion Ratio Lower Upper
75 100
77 30.7 26.0 39.0
39 41.4 35.1 52.7





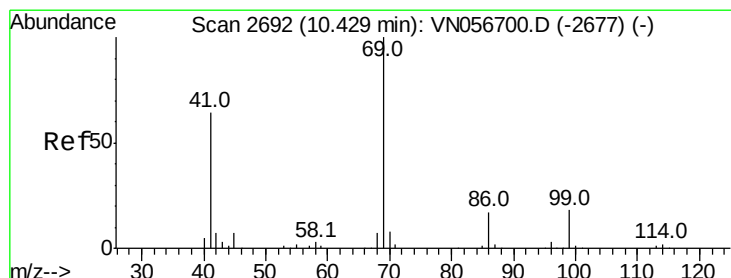
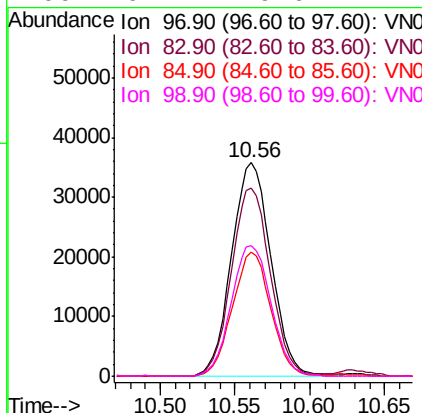
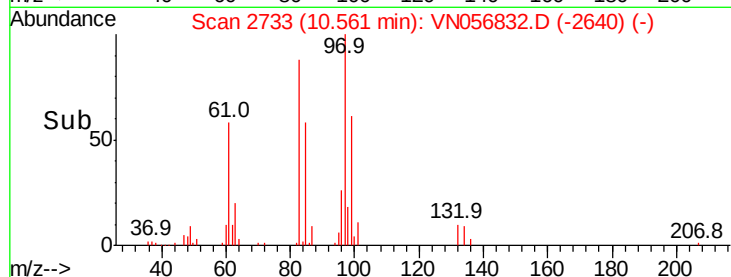
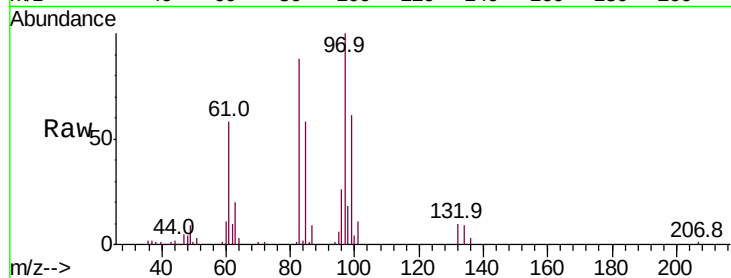
#55
 1,1,2-Trichloroethane
 Concen: 20.336 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	97	Resp	65810
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.3	105.5
85	58.3	44.8	67.2
99	61.1	49.6	74.4

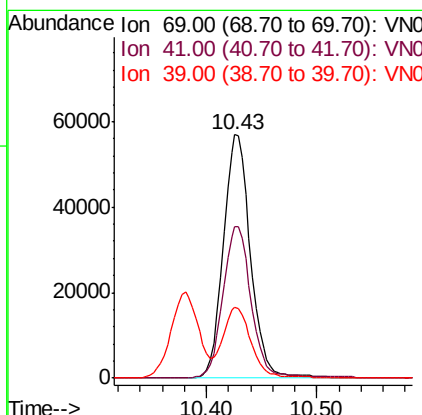
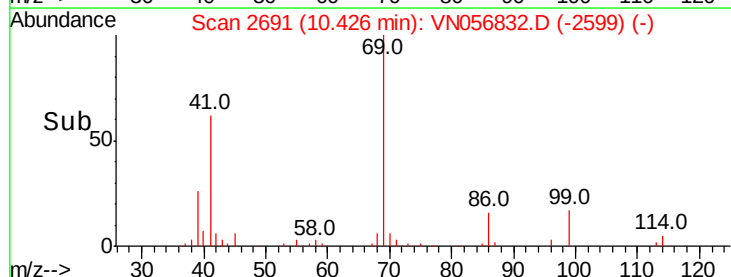
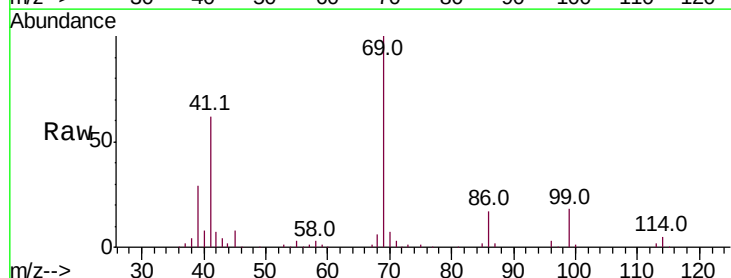
Manual Integrations
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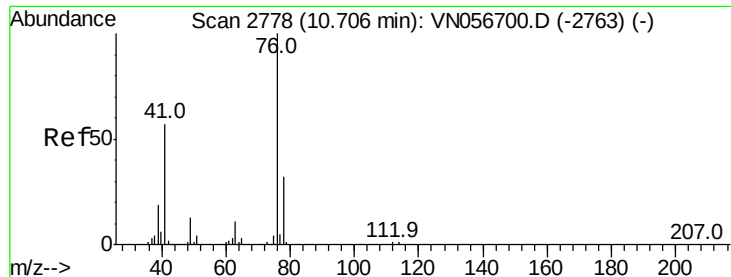
MMDadoda
 7/23/2019 4:32:36 AM



#56
 Ethyl methacrylate
 Concen: 20.840 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	69	Resp	97041
Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.0	76.4
39	29.8	24.6	36.8





#57

1,3-Dichloropropane

Concen: 20.400 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

VN0719WBSD01

Tot Ion: 76 Resp: 107823

Ion Ratio Lower Upper

76 100

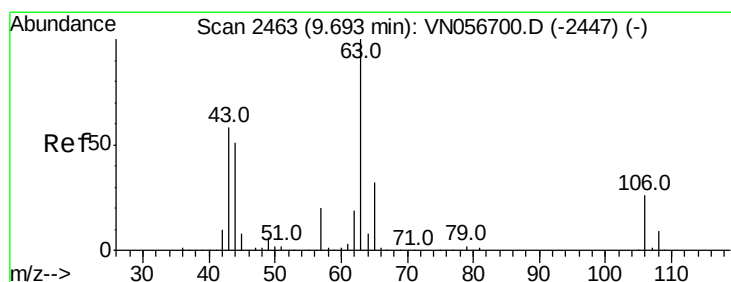
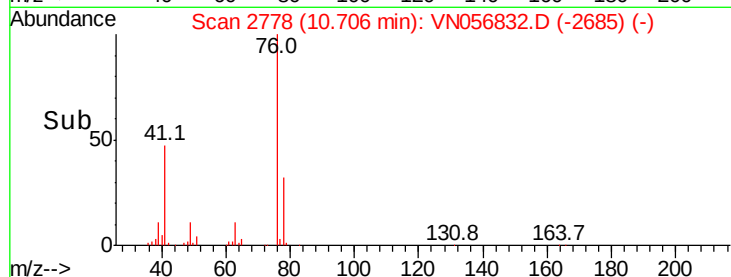
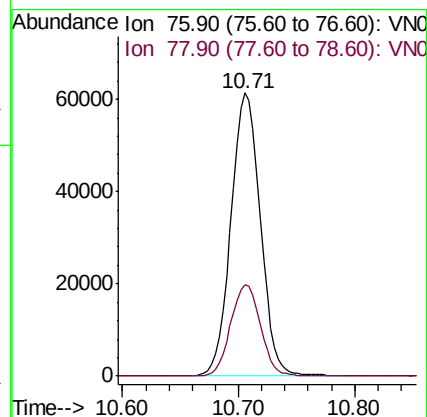
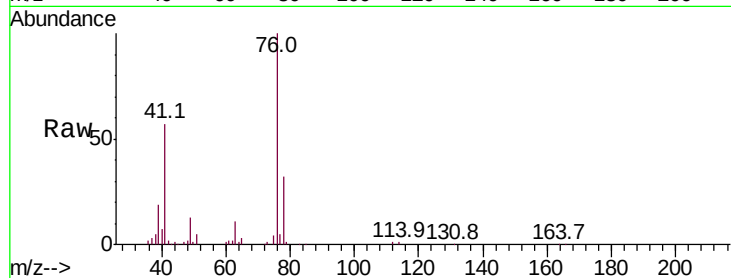
78 32.8 26.0 39.0

Manual Integrations

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MMDadoda

7/23/2019 4:32:36 AM



#58

2-Chloroethyl Vinyl ether

Concen: 92.101 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056832.D

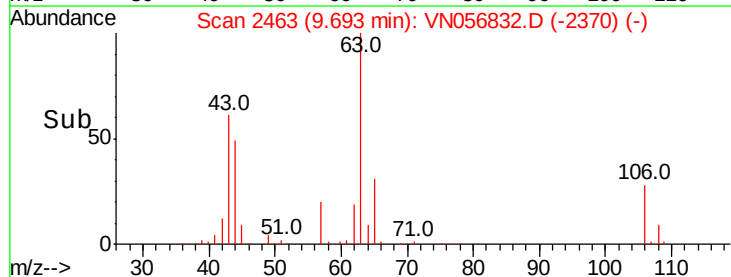
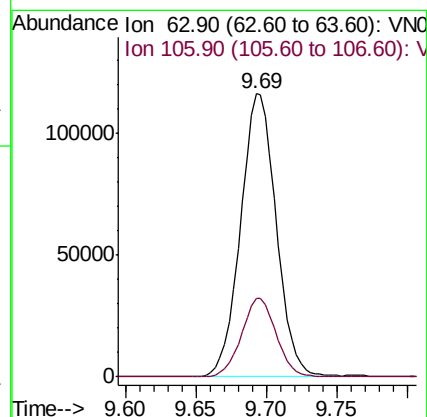
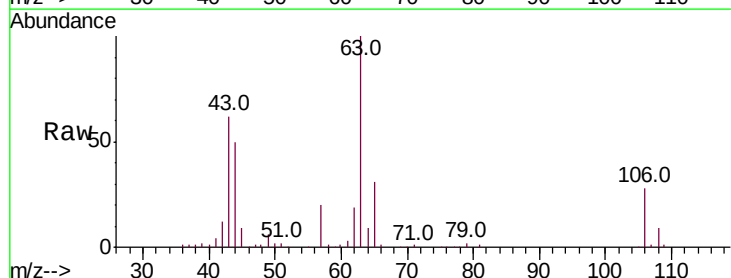
Acq: 19 Jul 2019 15:17

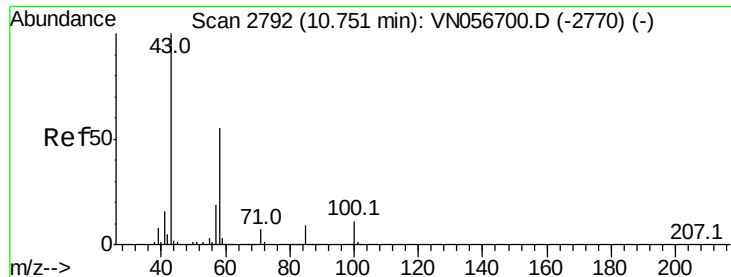
Tgt Ion: 63 Resp: 206227

Ion Ratio Lower Upper

63 100

106 27.0 21.2 31.8





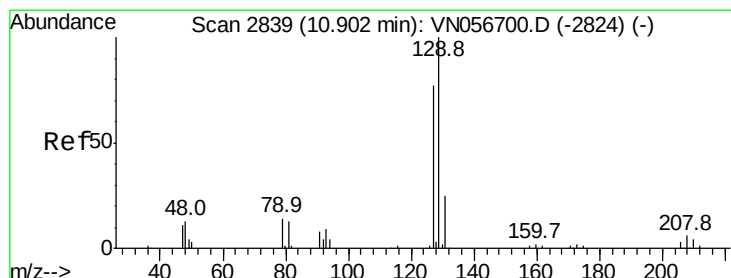
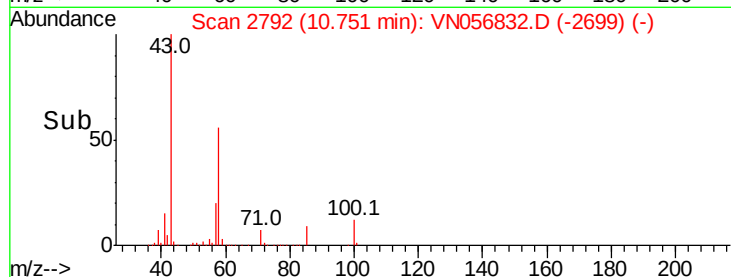
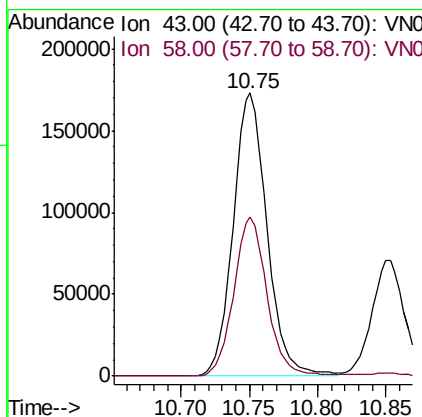
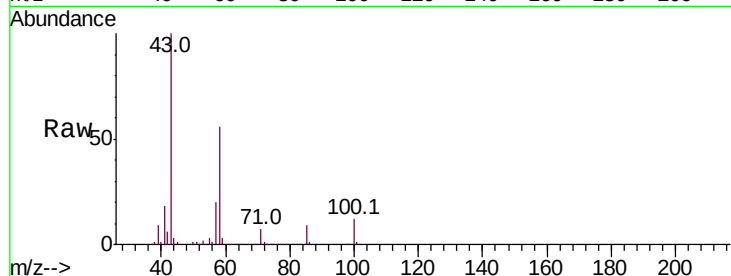
#59
2-Hexanone
Concen: 97.082 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.9	83.6

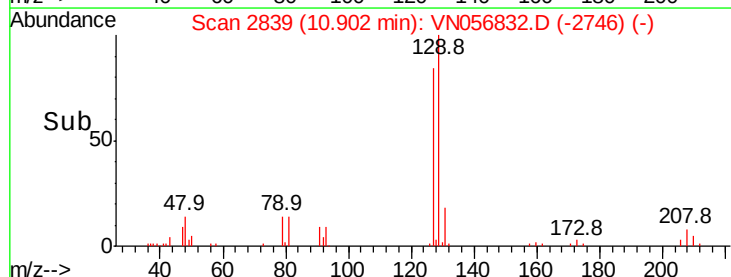
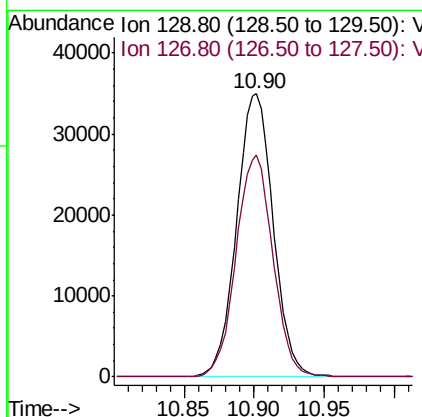
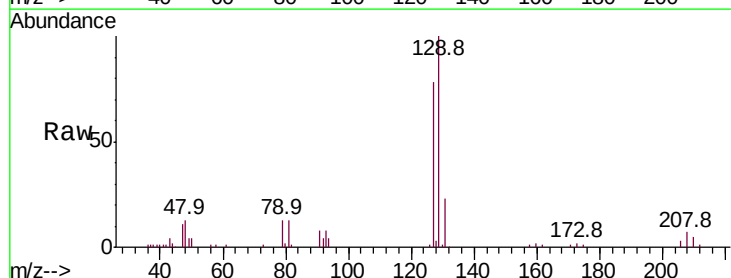
Manual Integrations
APPROVED

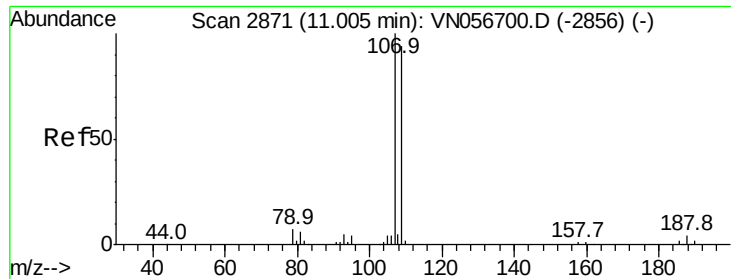
MMDadoda
7/23/2019 4:32:36 AM



#60
Dibromochloromethane
Concen: 19.985 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.2	114.6





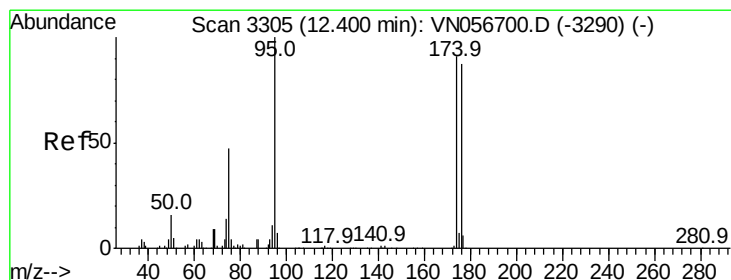
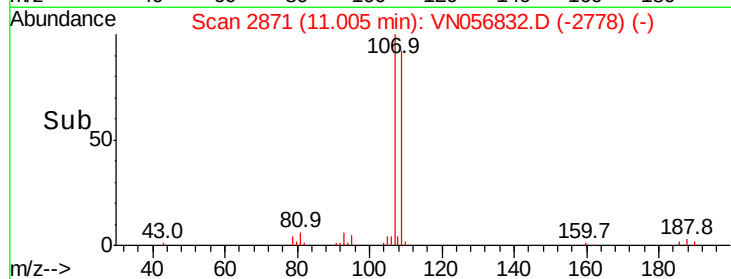
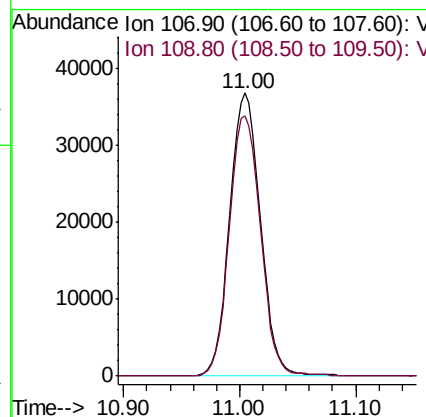
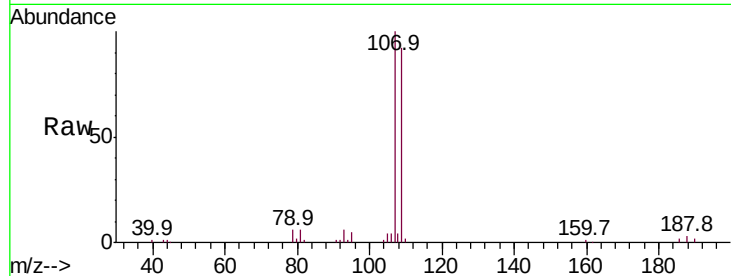
#61
 1,2-Dibromoethane
 Concen: 20.971 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.2	114.4

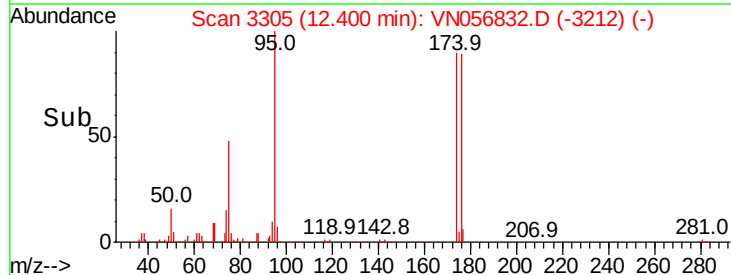
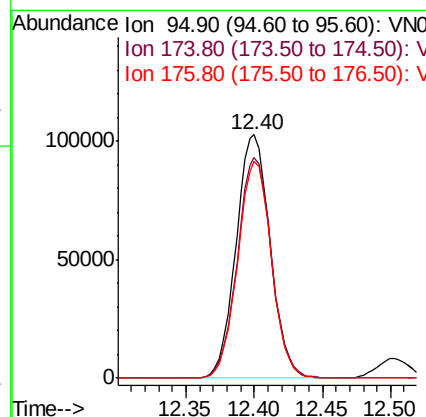
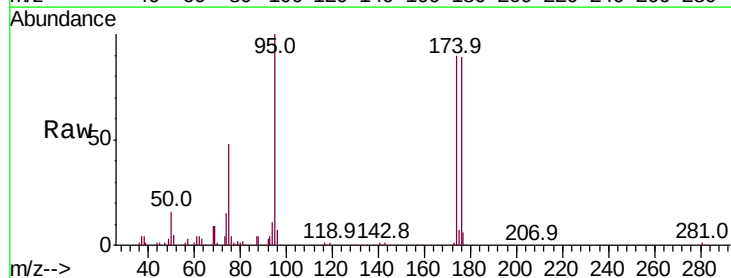
Manual Integrations
 APPROVED

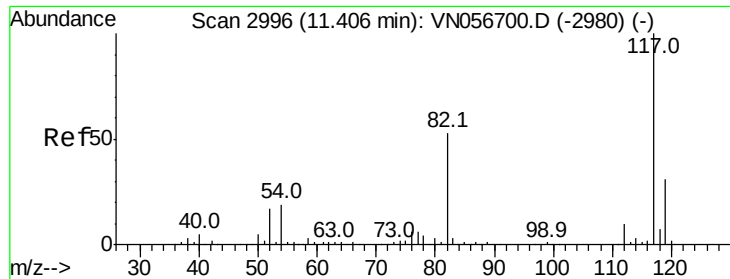
MMDadoda
 7/23/2019 4:32:36 AM



#62
 4-Bromofluorobenzene
 Concen: 47.866 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	180.0
176	88.3	0.0	173.2





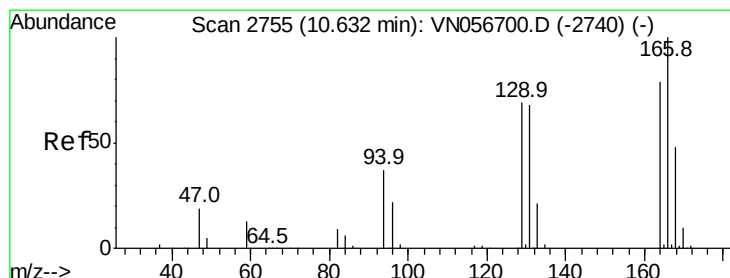
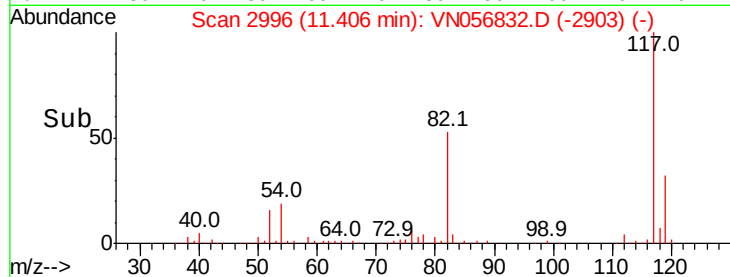
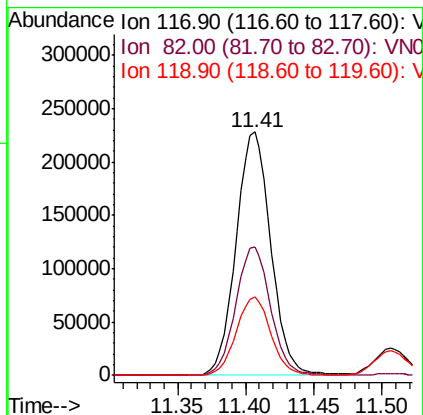
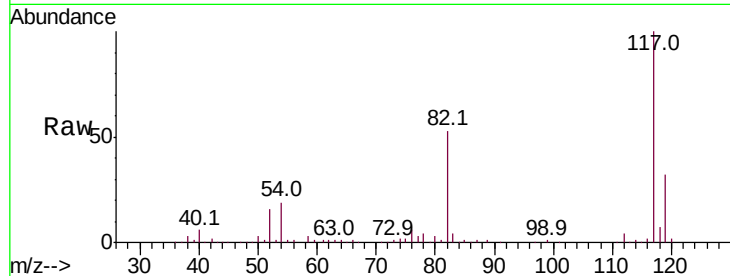
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.2
119	32.2	25.2	37.8

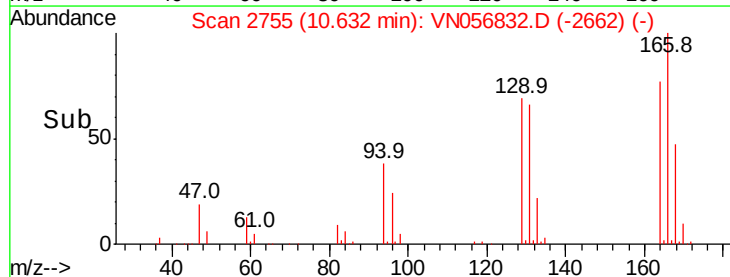
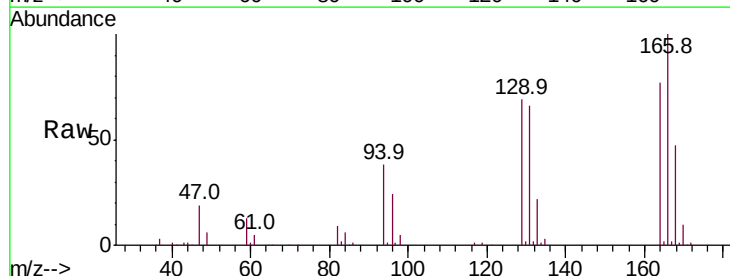
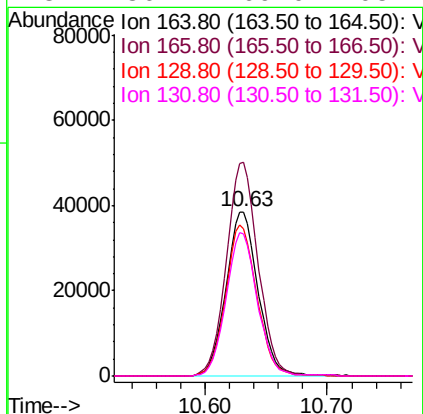
Manual Integrations
APPROVED

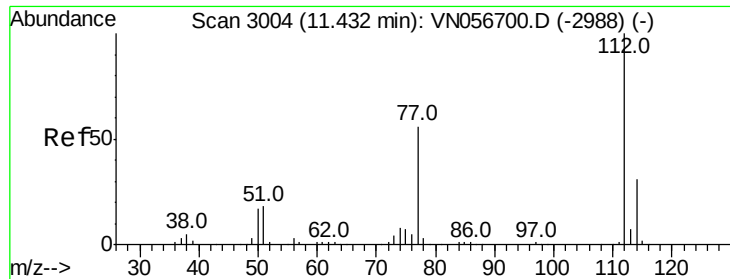
MMDadoda
7/23/2019 4:32:36 AM



#64
Tetrachloroethene
Concen: 20.282 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.4	152.2
129	90.0	69.6	104.4
131	86.4	69.0	103.4





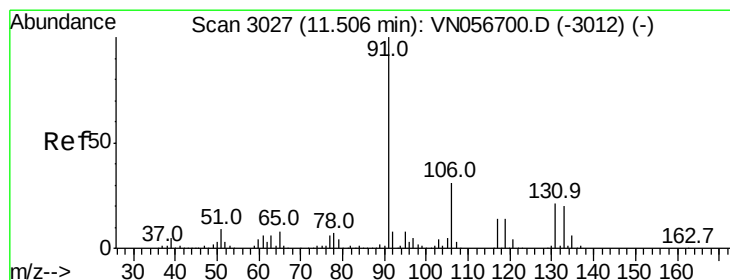
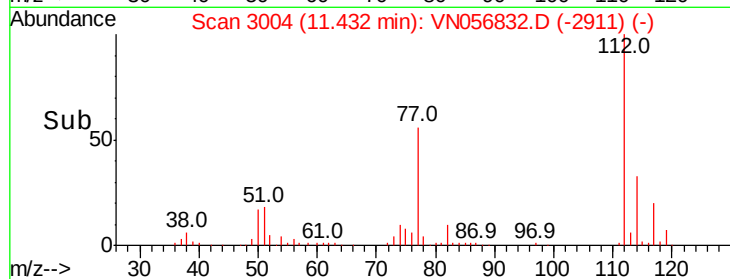
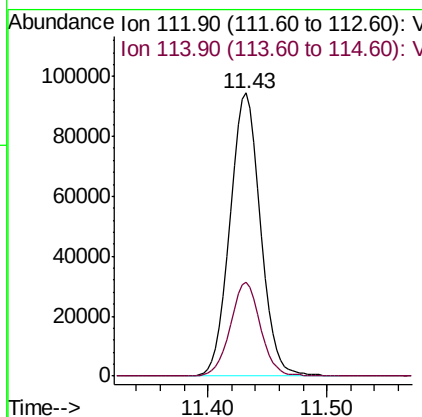
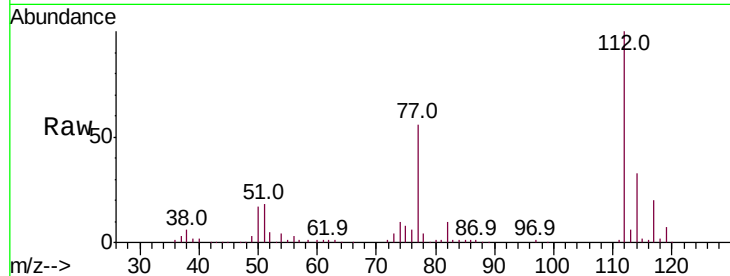
#65
Chlorobenzene
Concen: 20.361 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampled :
VN0719WBSD01

Tot Ion:112 Resp: 168076
Ion Ratio Lower Upper
112 100
114 33.3 25.2 37.8

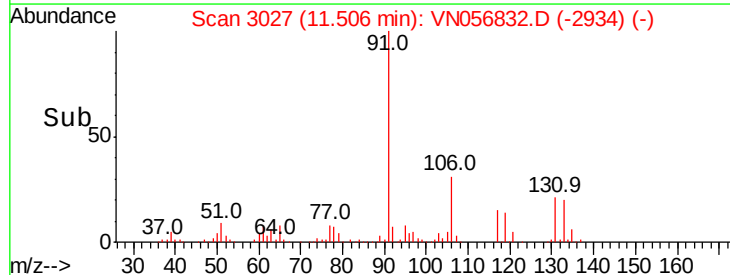
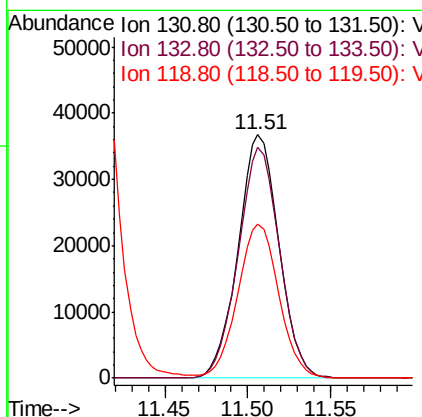
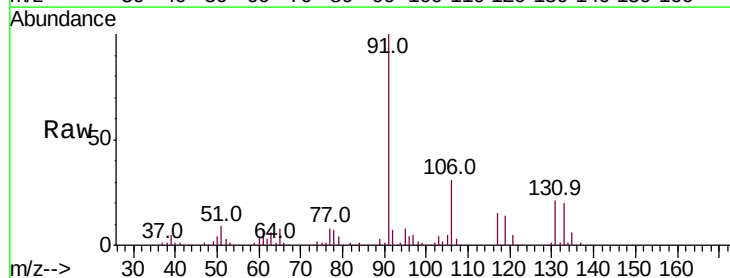
Manual Integrations
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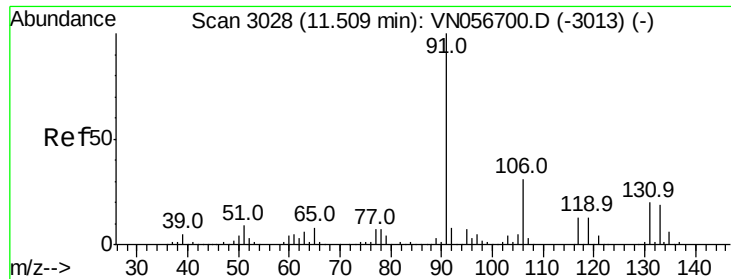
MMDadoda
7/23/2019 4:32:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.687 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion:131 Resp: 62874
Ion Ratio Lower Upper
131 100
133 96.0 46.9 140.7
119 64.1 32.8 98.3





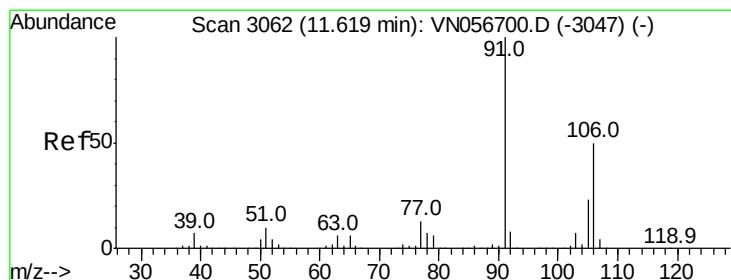
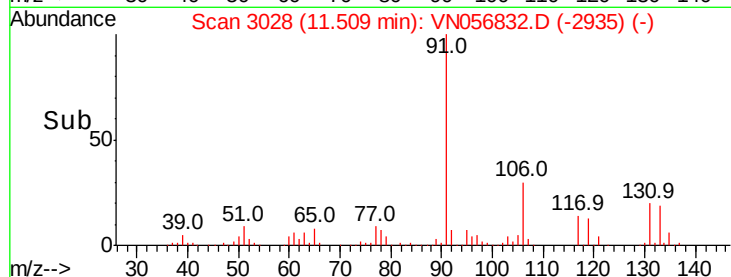
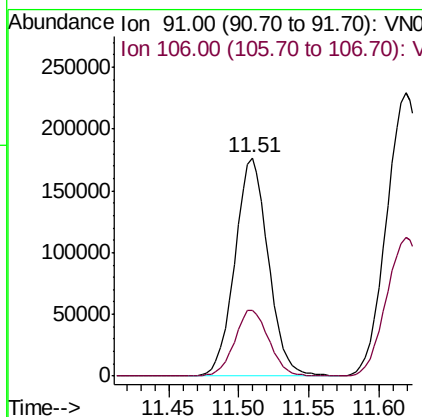
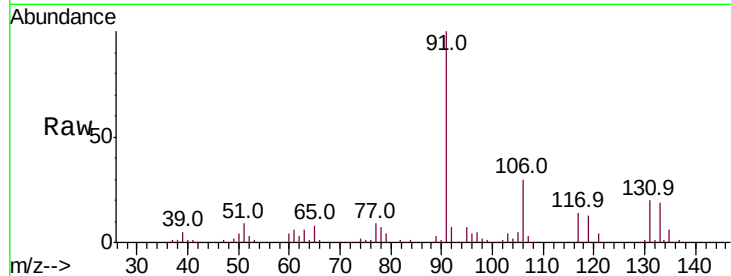
#67
Ethyl Benzene
Concen: 20.232 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampled :
VN0719WBSD01

Tot Ion: 91 Resp: 293499
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2

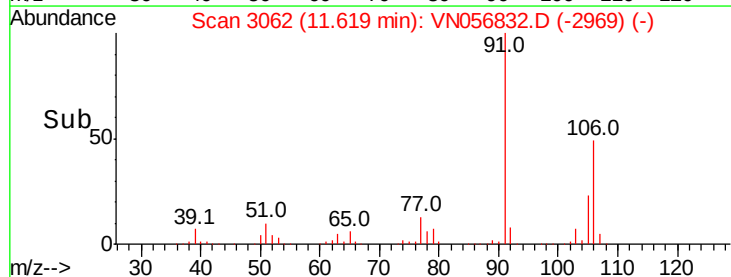
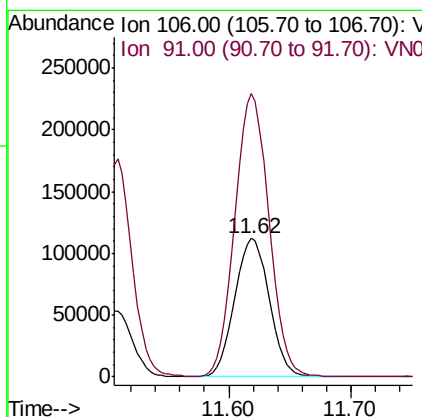
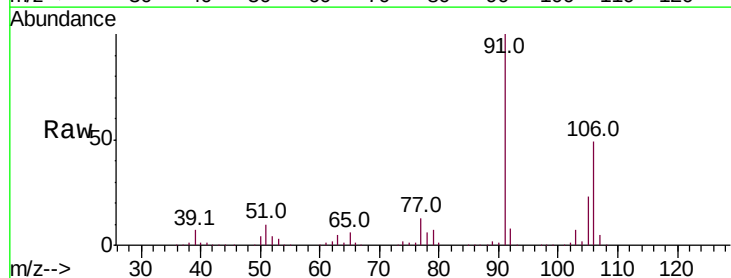
Manual Integrations
APPROVED

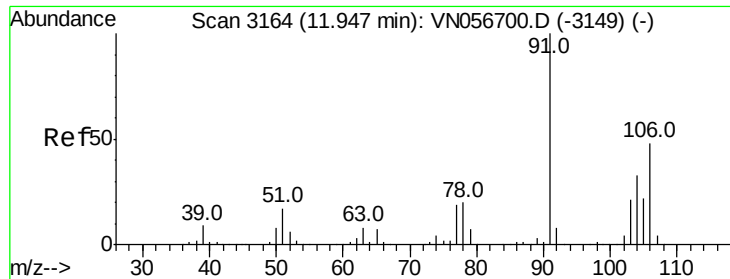
MMDadoda
7/23/2019 4:32:36 AM



#68
m/p-Xylenes
Concen: 40.639 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion: 106 Resp: 220329
Ion Ratio Lower Upper
106 100
91 201.4 160.5 240.7





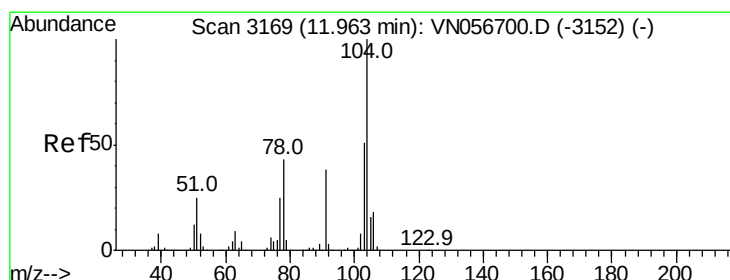
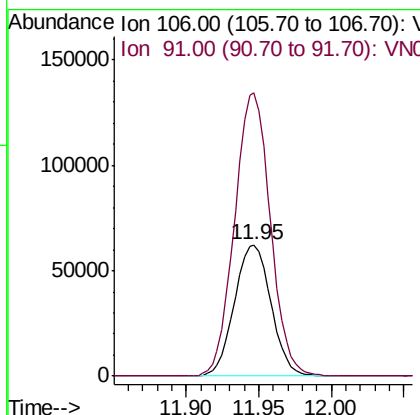
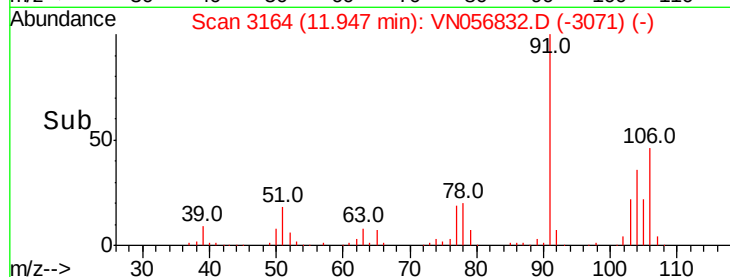
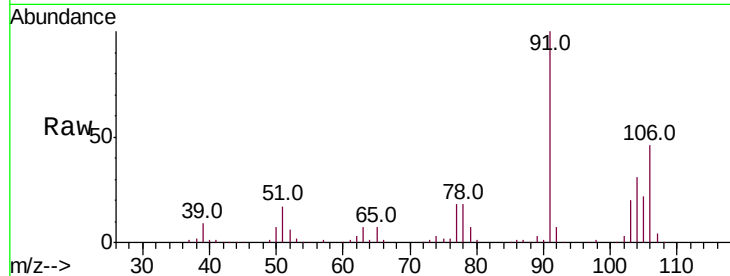
#69
o-Xylene
Concen: 20.513 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion:106 Resp: 109336
Ion Ratio Lower Upper
106 100
91 211.5 105.6 316.8

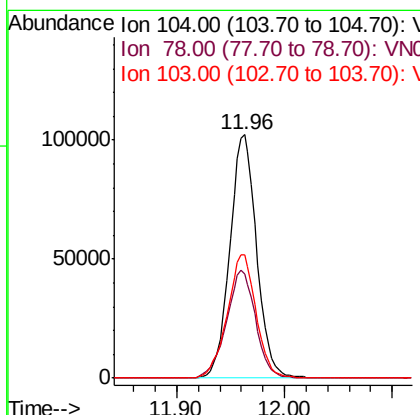
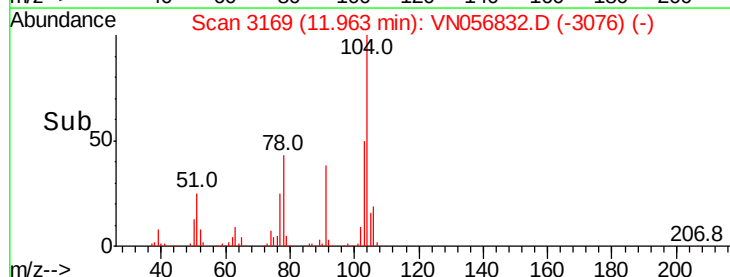
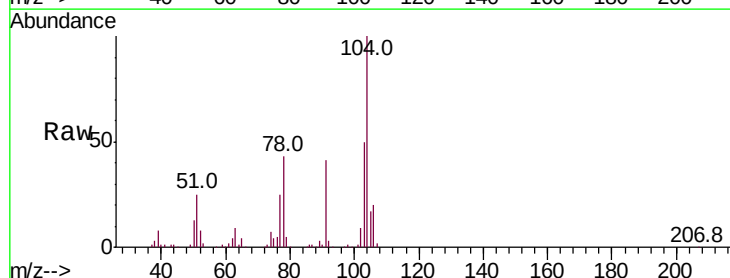
Manual Integrations
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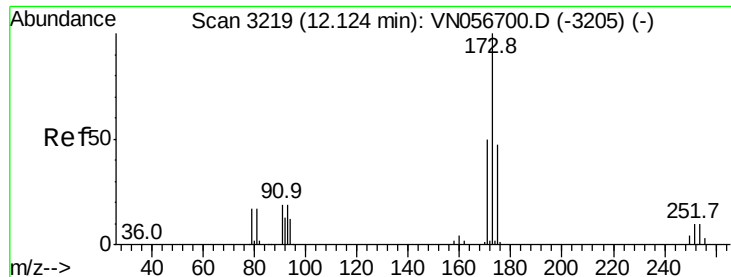
MMDadoda
7/23/2019 4:32:36 AM



#70
Styrene
Concen: 20.527 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion:104 Resp: 176884
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 54.5 44.2 66.4





#71

Bromoform

Concen: 20.012 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:173 Resp: 46279

Ion Ratio Lower Upper

173 100

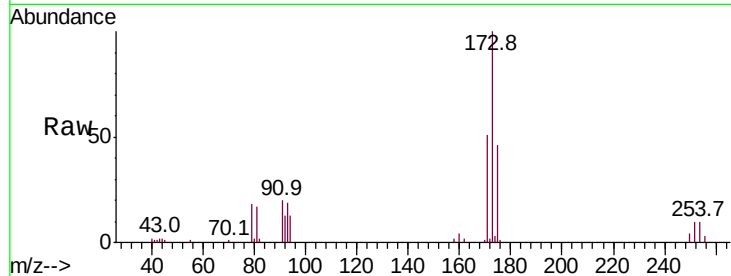
175 47.6 23.8 71.4

254 0.0 0.0 0.0

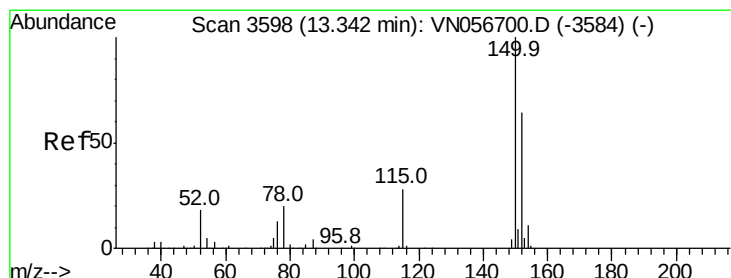
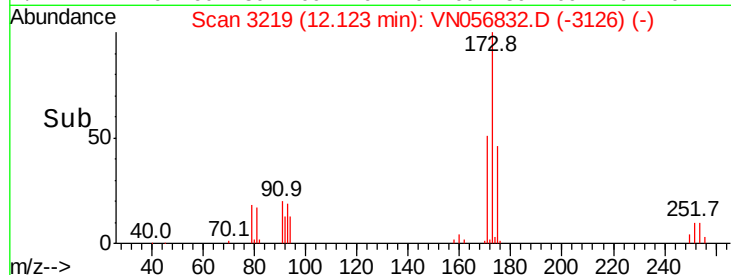
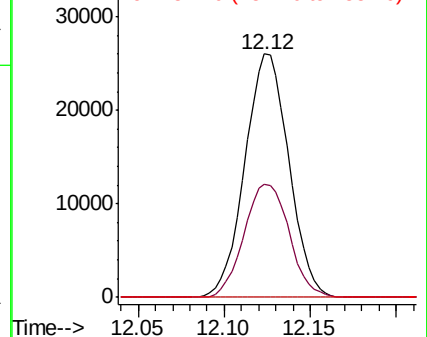
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

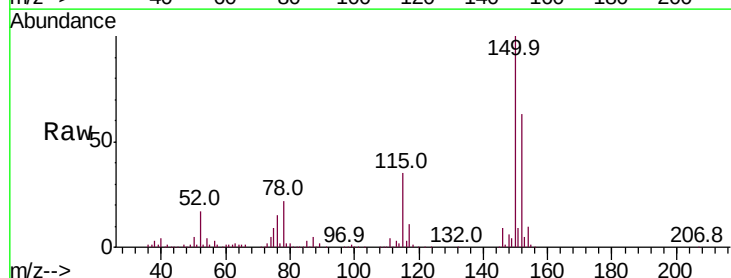
Tgt Ion:152 Resp: 167737

Ion Ratio Lower Upper

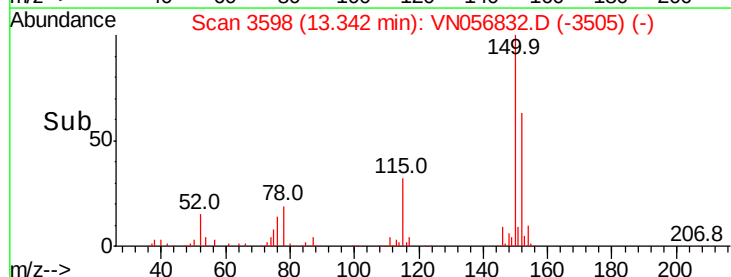
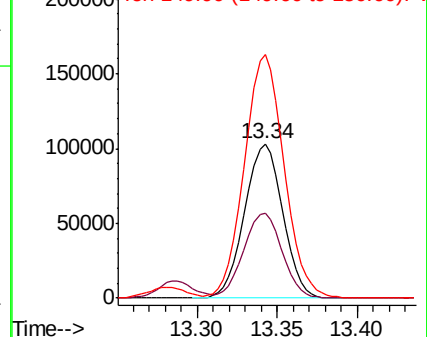
152 100

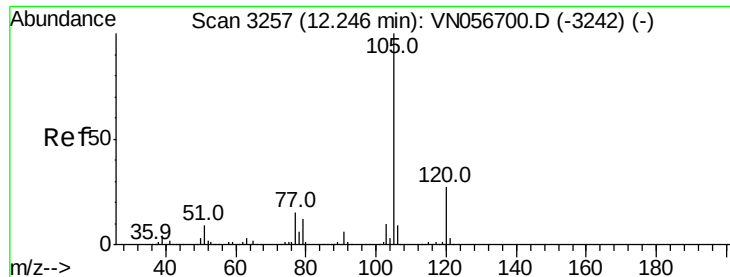
115 55.5 28.2 84.7

150 163.8 0.0 345.8



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: 21.036 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:105 Resp: 284504

Ion Ratio Lower Upper

105 100

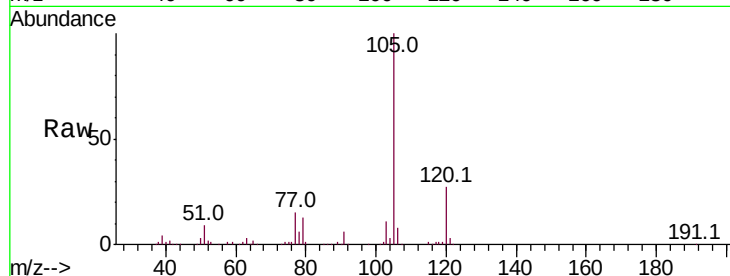
120 26.7 13.4 40.2

Manual Integrations

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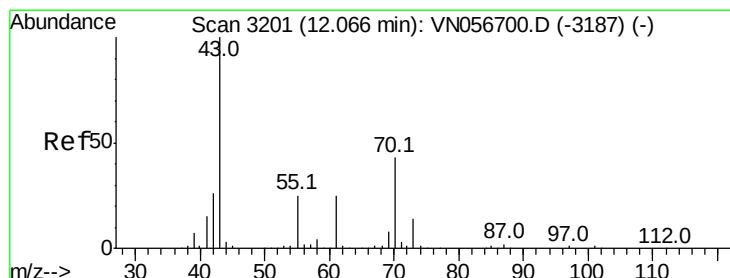
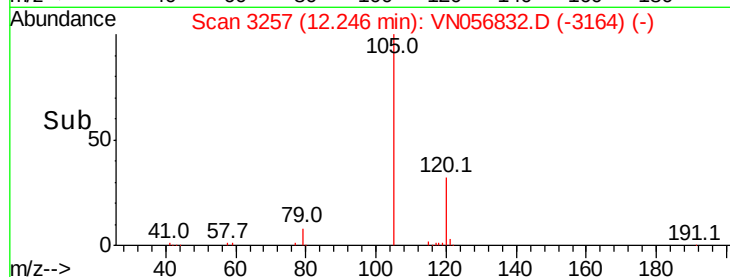
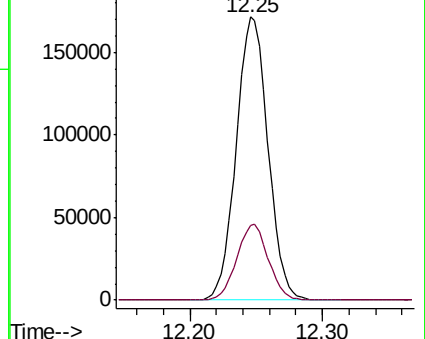
MMDadoda

7/23/2019 4:32:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.871 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Tgt Ion: 43 Resp: 100091

Ion Ratio Lower Upper

43 100

70 44.9 34.5 51.7

55 27.1 20.2 30.2

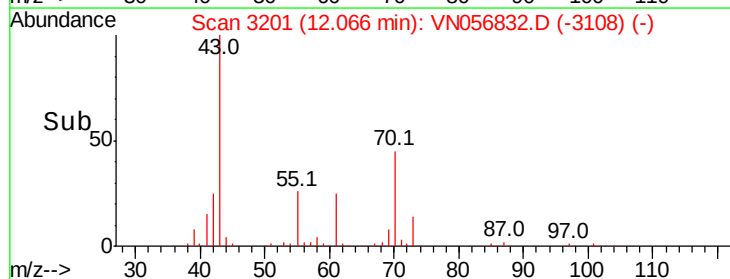
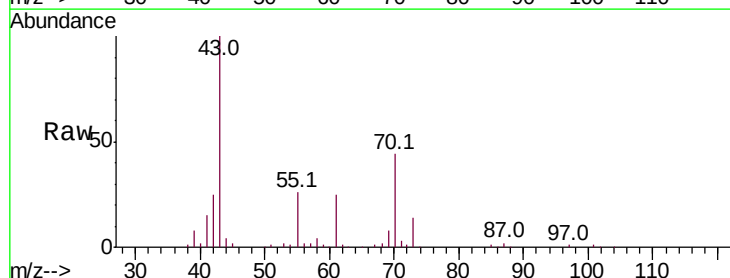
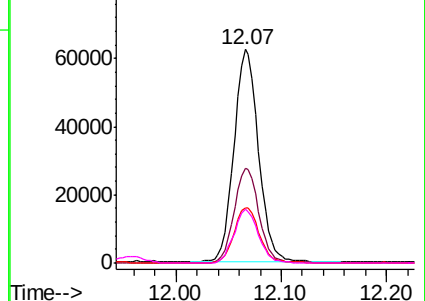
61 25.0 19.9 29.9

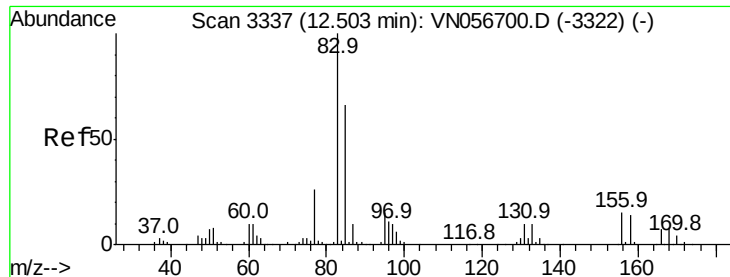
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.791 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

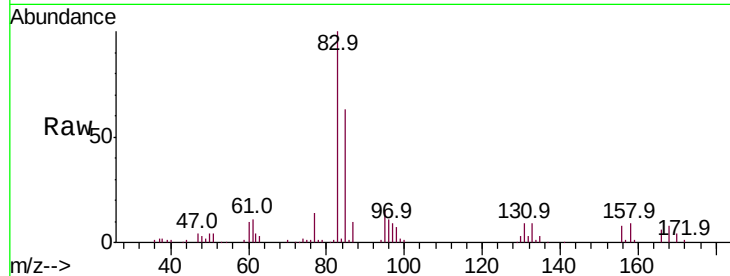
ClientSampled :

VN0719WBSD01

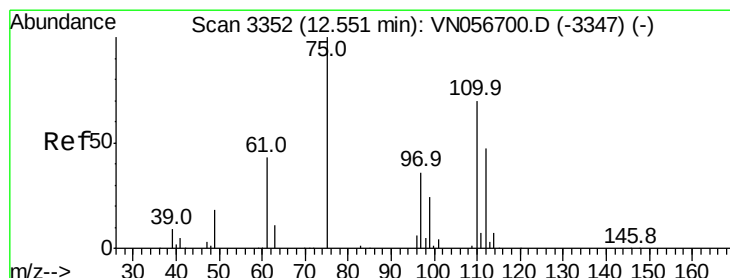
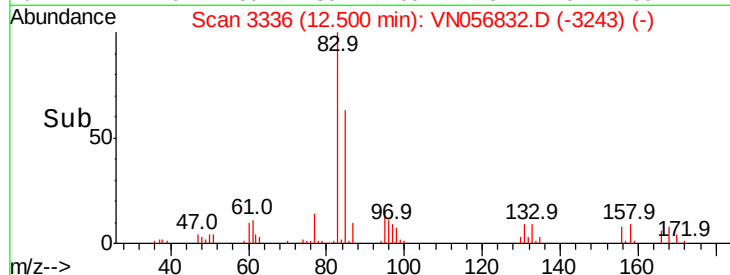
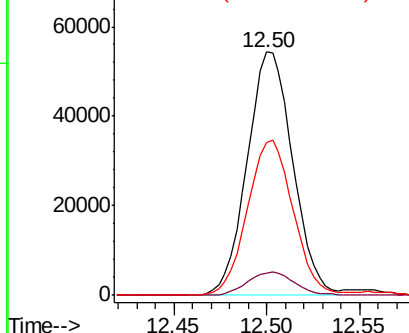
Tot Ion:	83	Resp:	93402
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	63.8	32.6	97.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 21.755 ug/l m

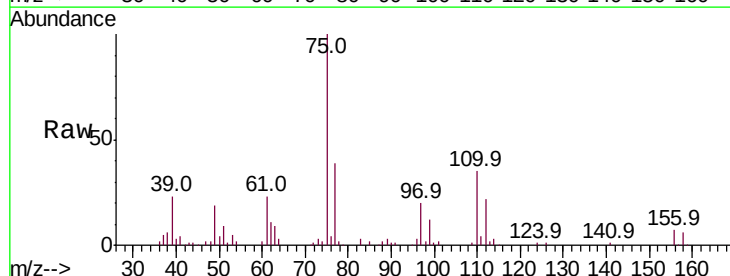
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

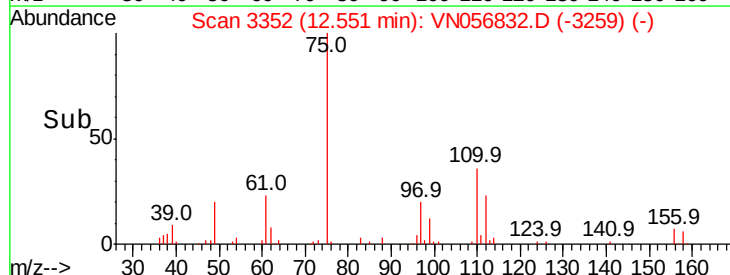
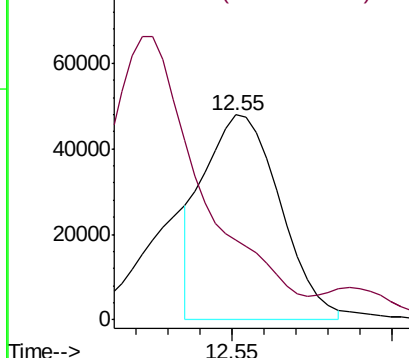
Lab File: VN056832.D

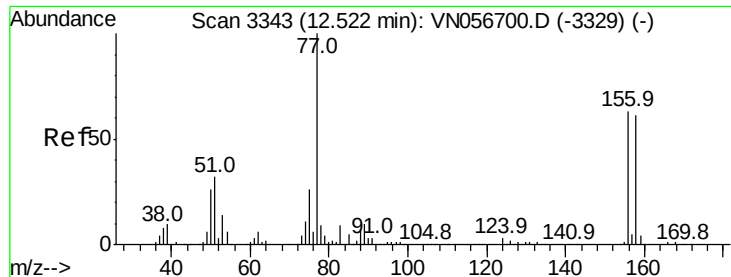
Acq: 19 Jul 2019 15:17

Tgt Ion:	75	Resp:	79810
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 21.554 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:156 Resp: 76248

Ion Ratio Lower Upper

156 100

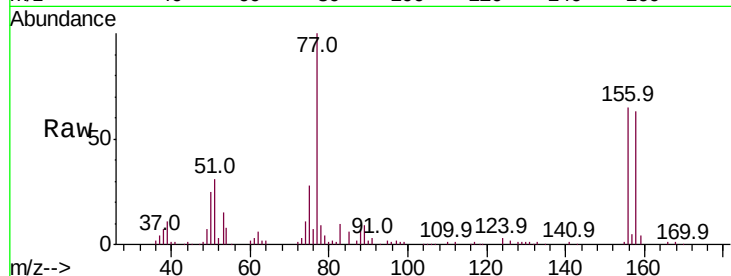
77 183.3 97.2 291.6

158 95.8 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

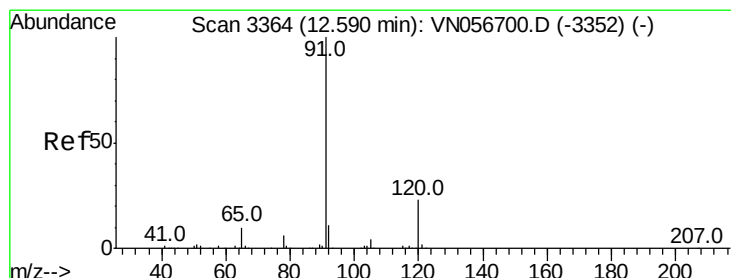
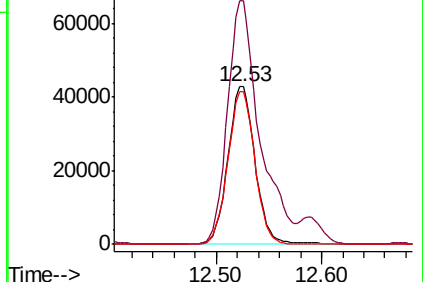
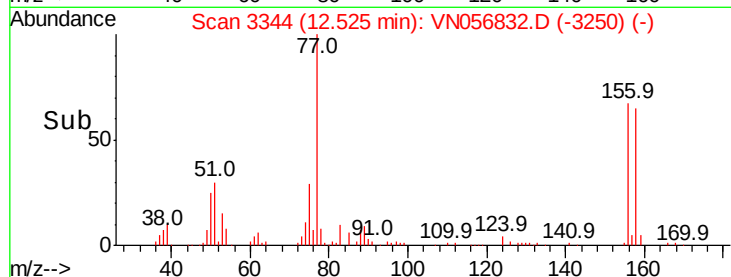
7/23/2019 4:32:36 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.510 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056832.D

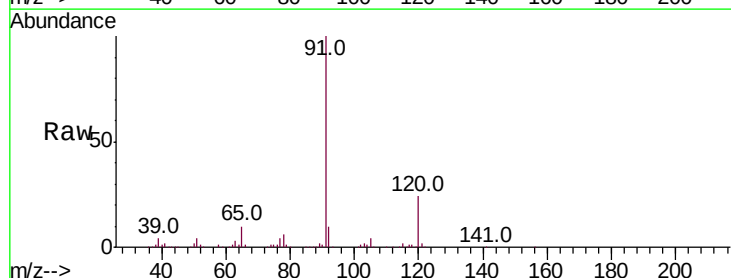
Acq: 19 Jul 2019 15:17

Tgt Ion: 91 Resp: 307959

Ion Ratio Lower Upper

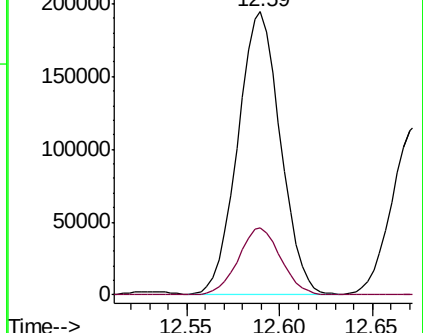
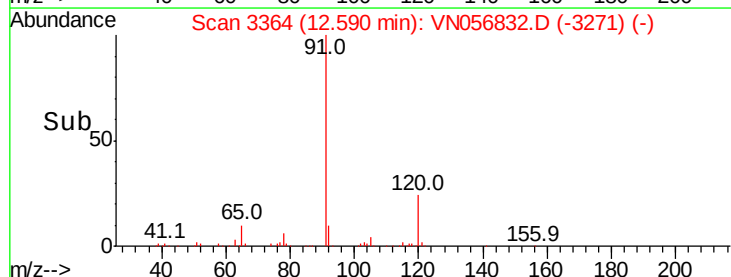
91 100

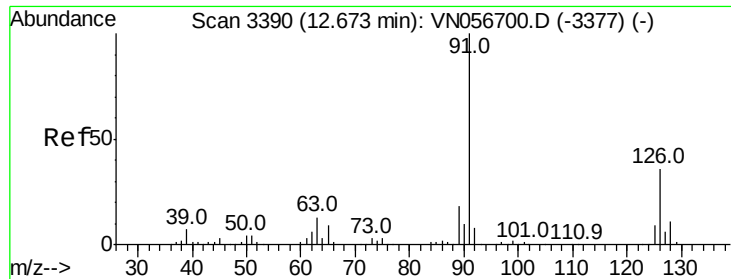
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





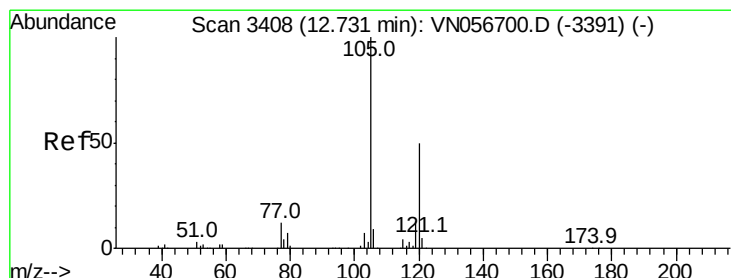
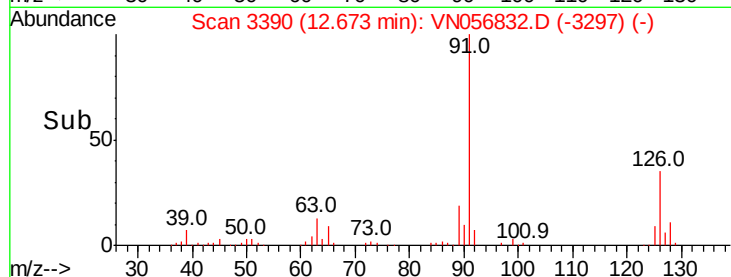
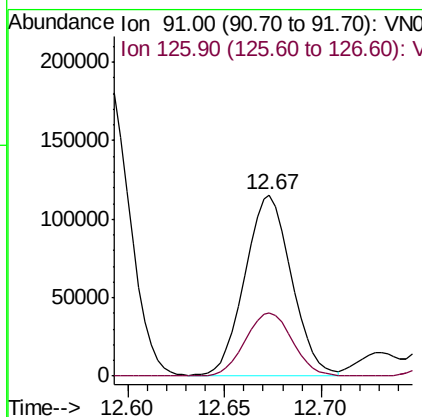
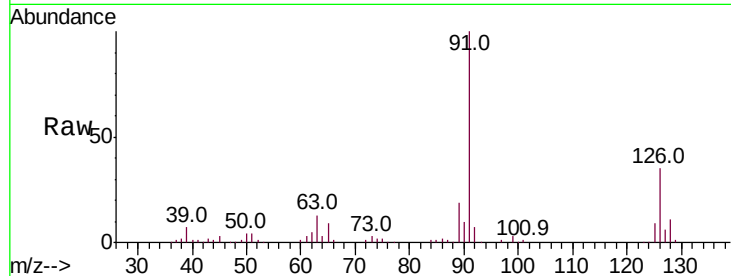
#79
 2-Chlorotoluene
 Concen: 22.302 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion: 91 Resp: 192582
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7

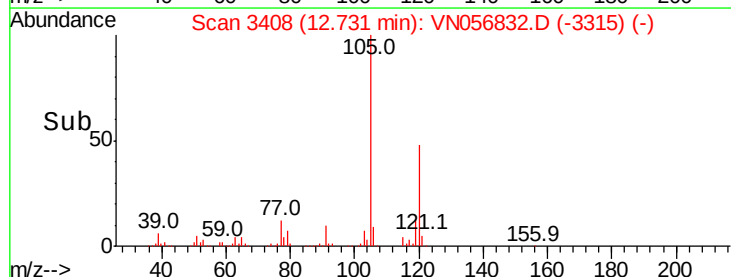
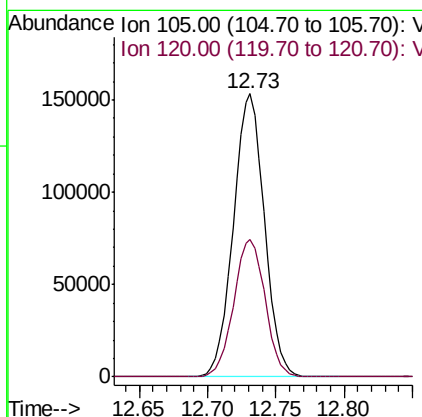
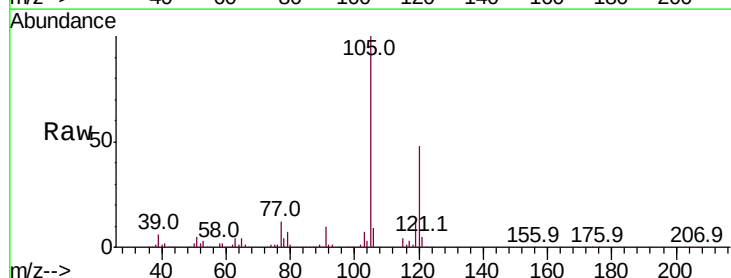
Manual Integrations
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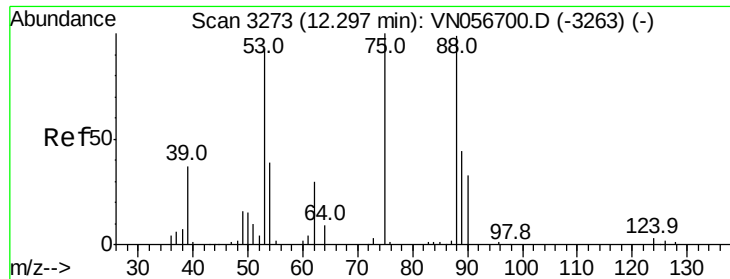
MMDadoda
 7/23/2019 4:32:36 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.102 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion: 105 Resp: 241890
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.3





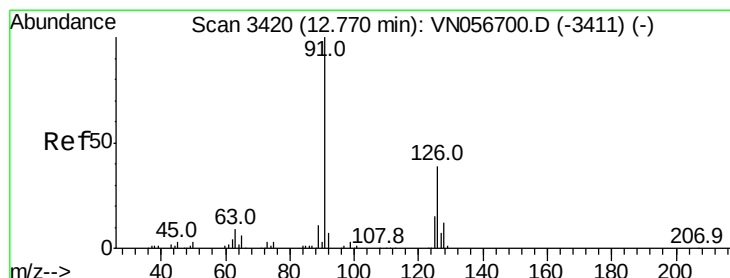
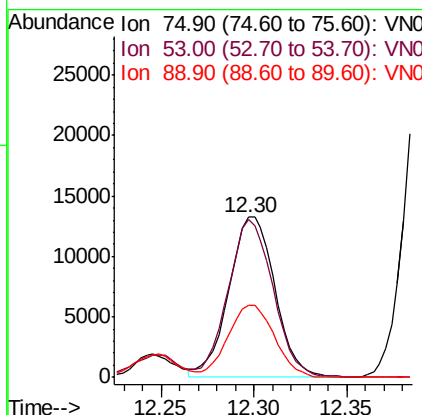
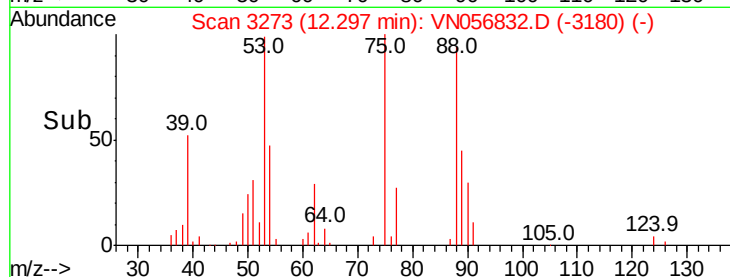
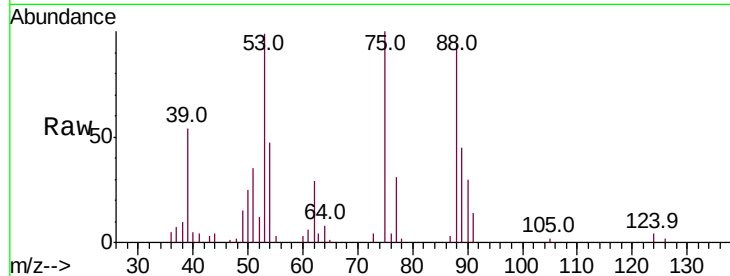
#81
trans-1,4-Dichloro-2-butene
Concen: 19.316 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	73.7	110.5
89	45.5	36.2	54.2

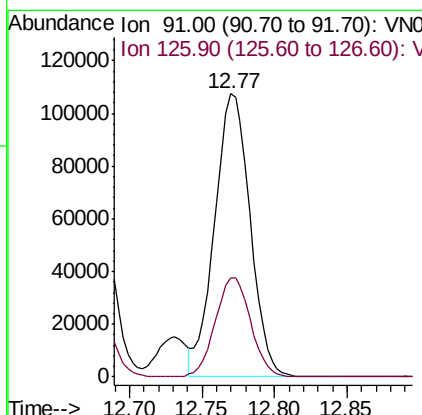
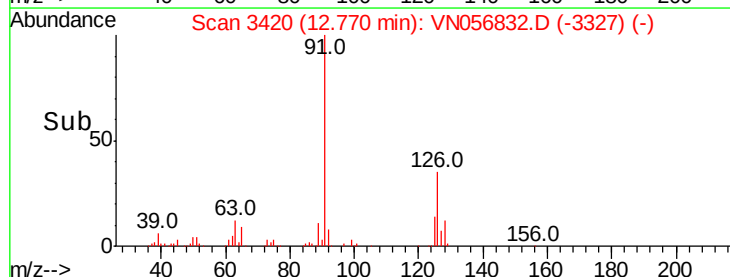
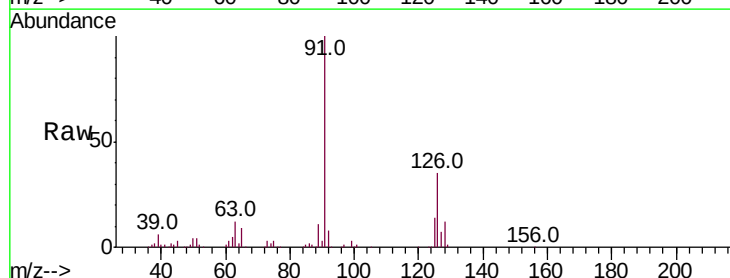
Manual Integrations
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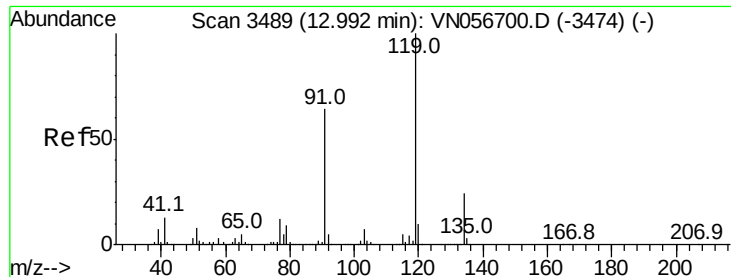
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.713 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.8





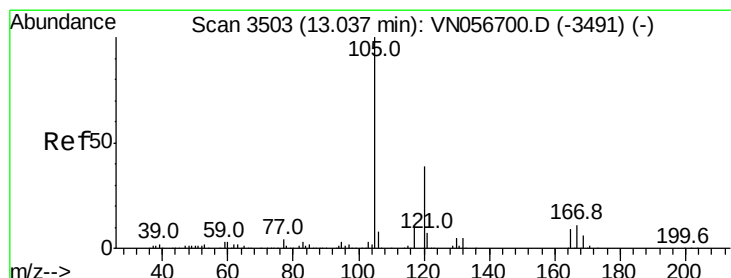
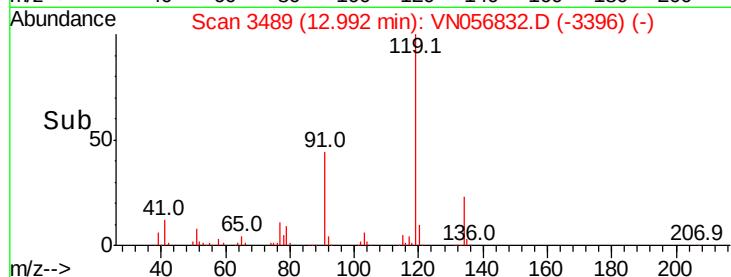
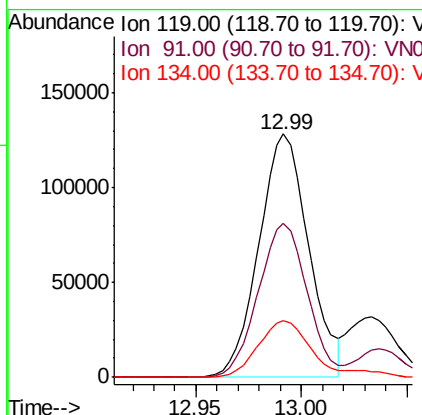
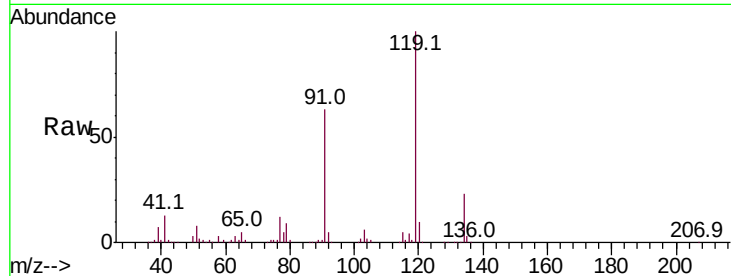
#83
 tert-Butylbenzene
 Concen: 22.831 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	211021		
91	62.6	31.8	95.4	
134	24.0	13.0	38.9	

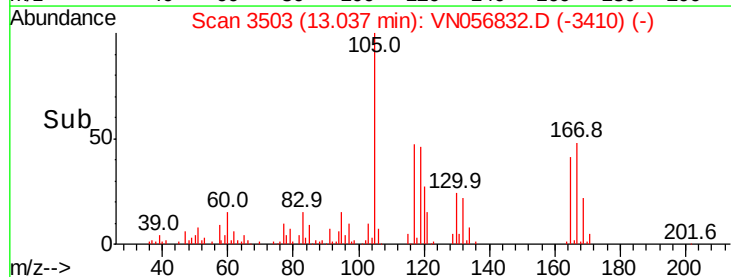
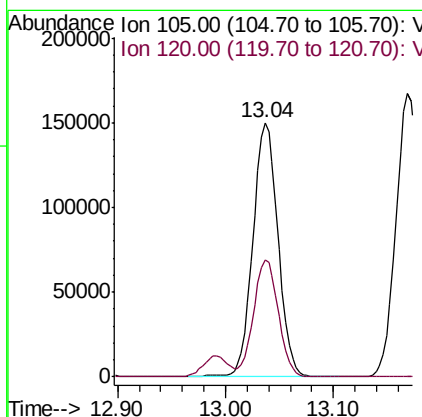
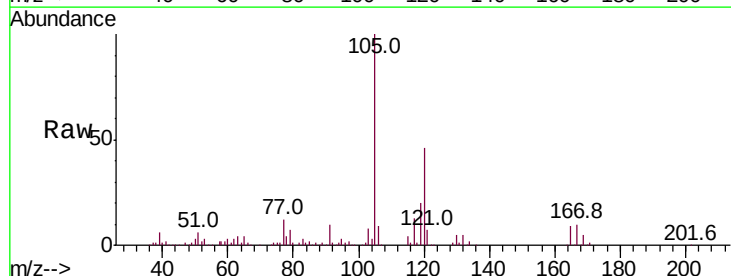
Manual Integrations
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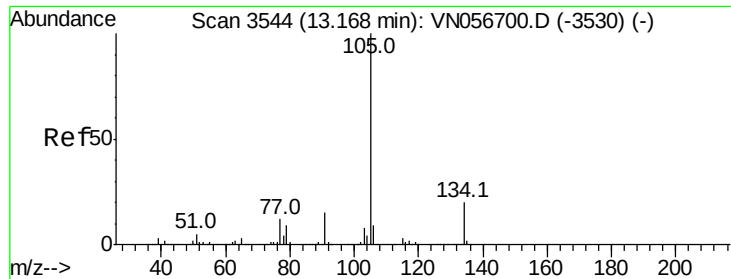
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 7/23/2019 4:32:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.595 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241828		
120	45.8	22.9	68.8	





#85

sec-Butylbenzene

Concen: 21.140 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBSD01

Tot Ion:105 Resp: 269270

Ion Ratio Lower Upper

105 100

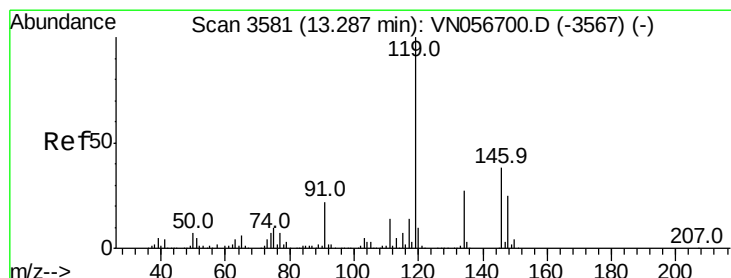
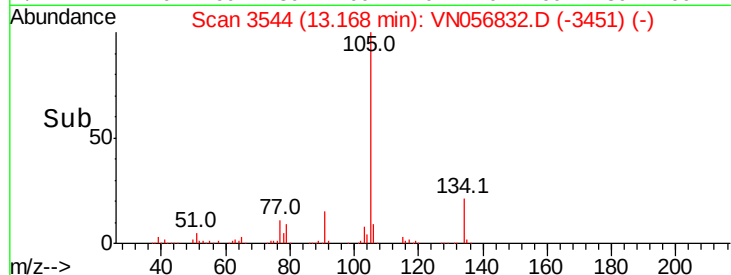
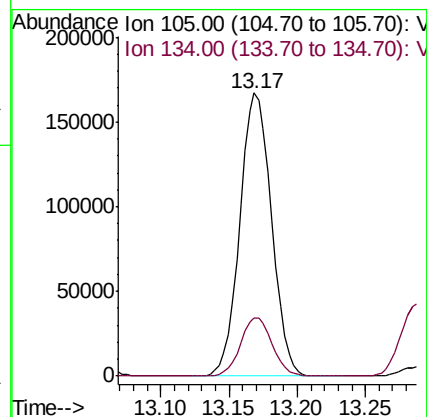
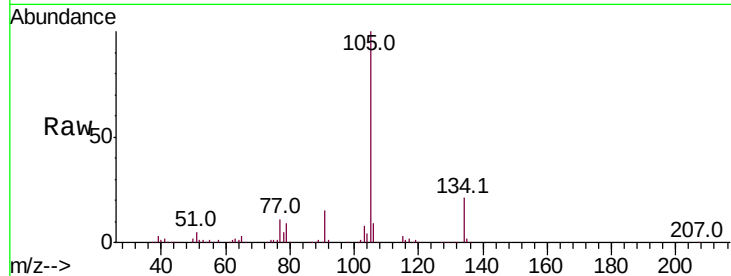
134 20.5 10.1 30.1

Manual Integrations

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7/23/2019 4:32:36 AM



#86

p-Isopropyltoluene

Concen: 20.918 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056832.D

Acq: 19 Jul 2019 15:17

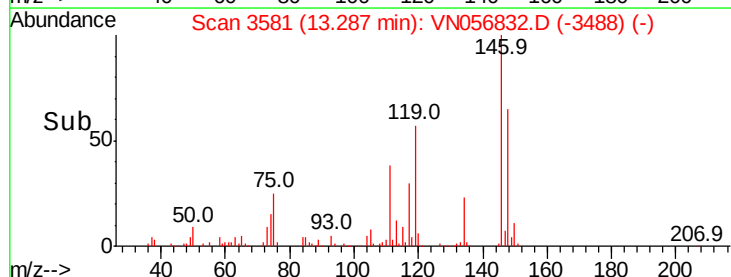
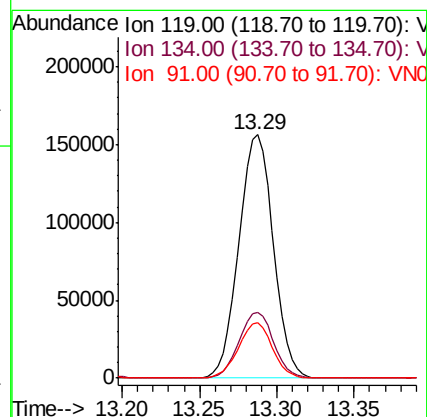
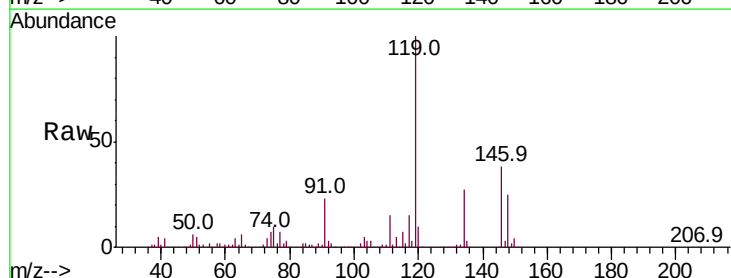
Tgt Ion:119 Resp: 241365

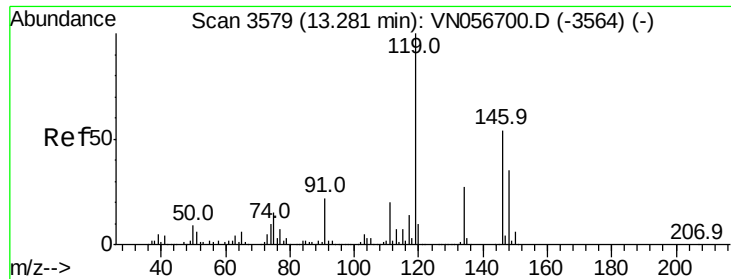
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.4 11.2 33.5





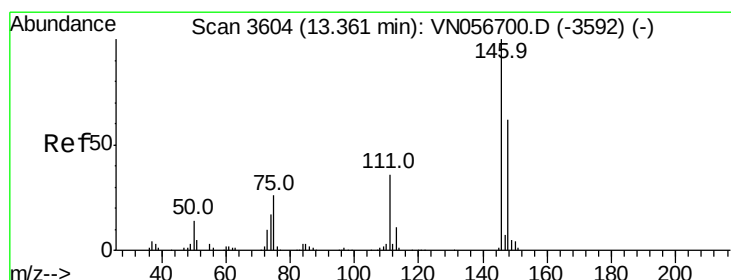
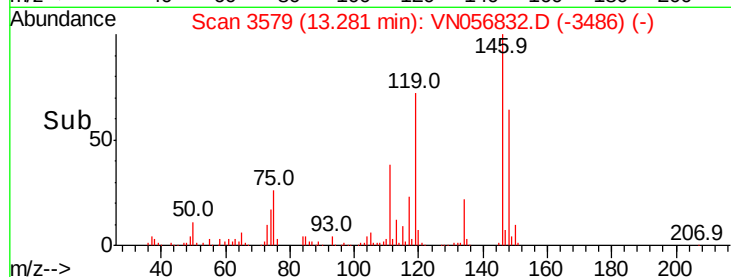
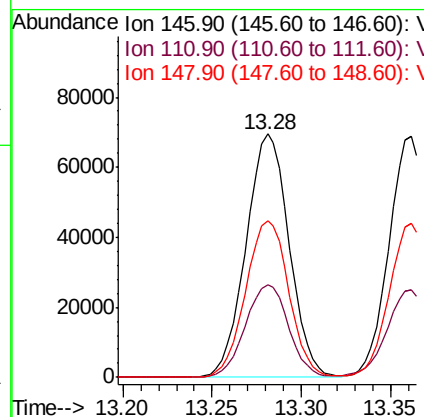
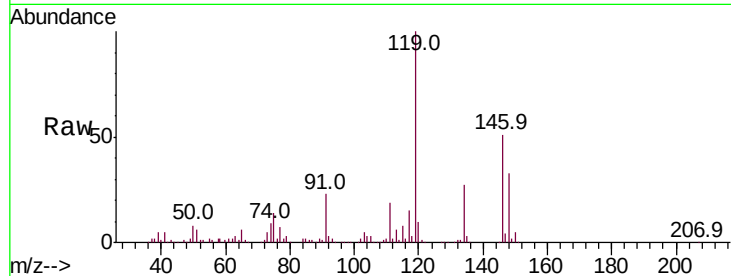
#87
 1,3-Dichlorobenzene
 Concen: 20.219 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.5	32.3	96.8

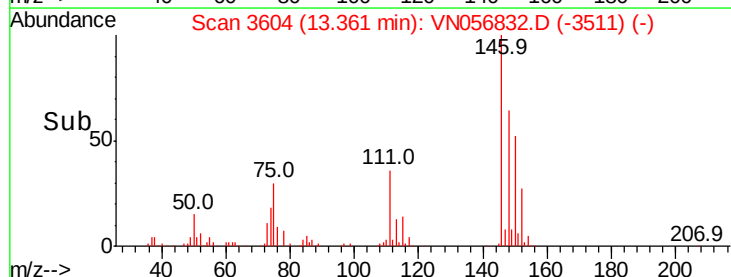
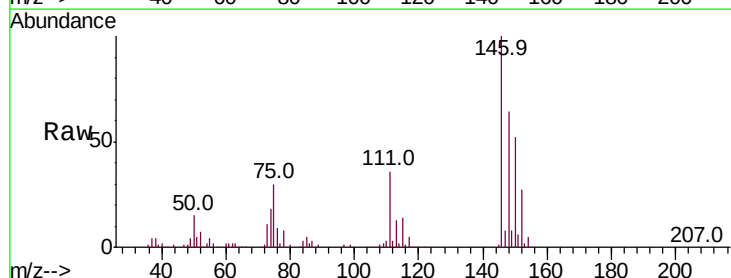
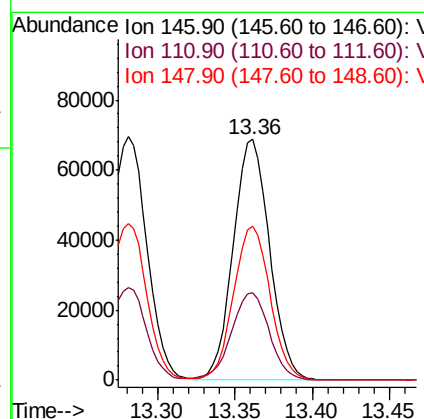
Manual Integrations
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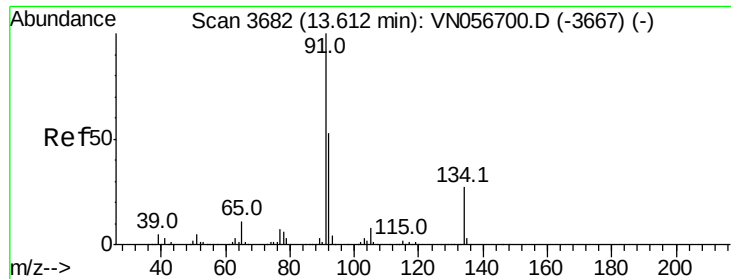
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 7/23/2019 4:32:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.915 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.4	31.9	95.7





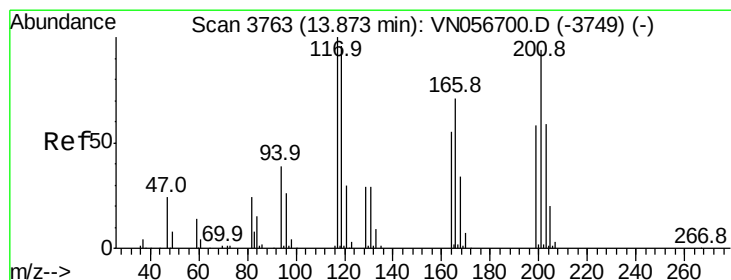
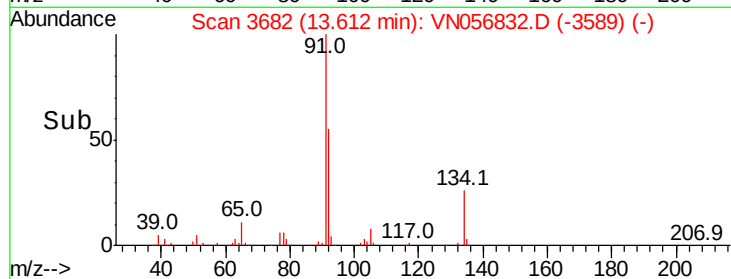
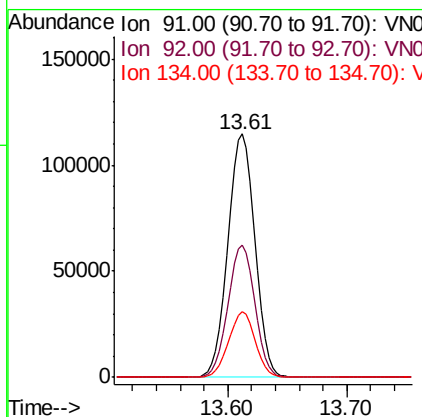
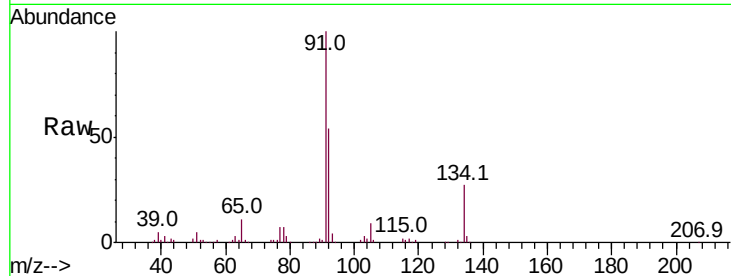
#89
n-Butylbenzene
Concen: 19.498 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.0	78.0
134	26.5	13.4	40.2

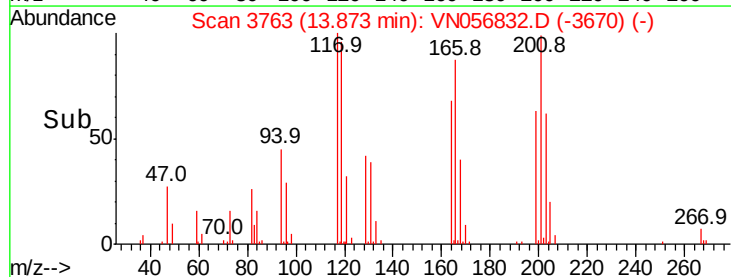
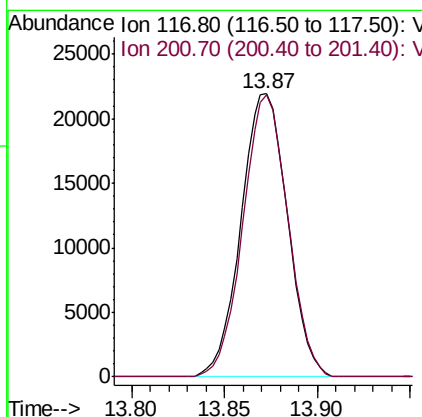
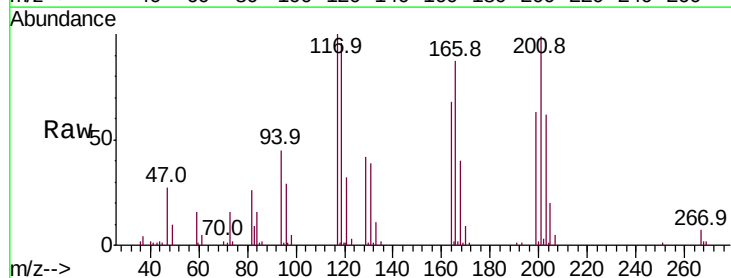
Manual Integrations
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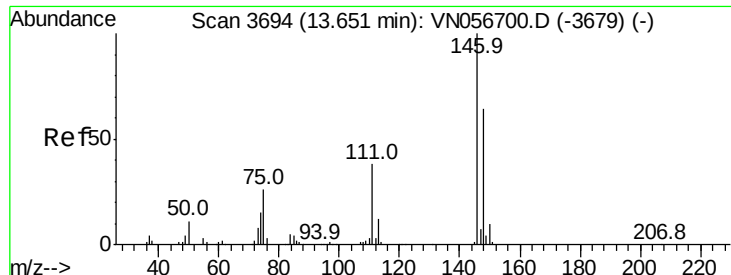
MMDadoda
7/23/2019 4:32:36 AM



#90
Hexachloroethane
Concen: 20.480 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	46.5	139.5





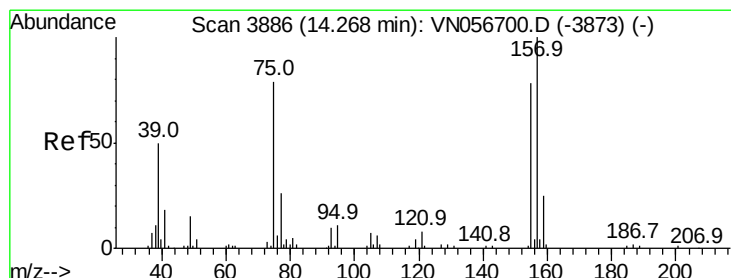
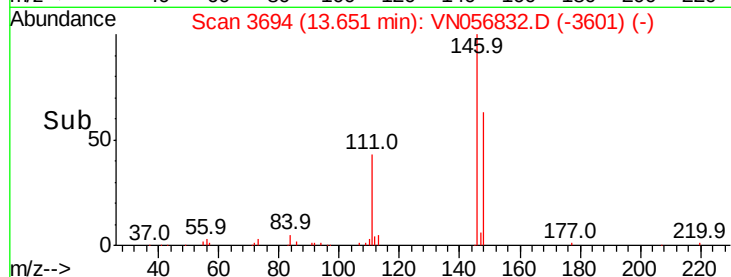
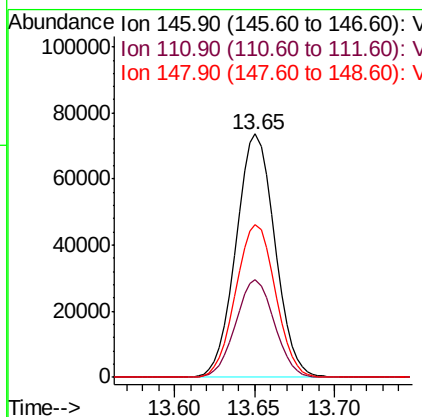
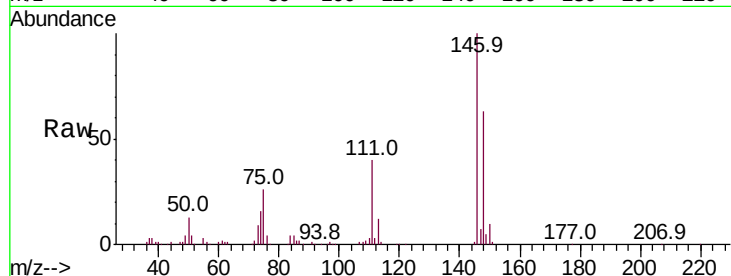
#91
 1,2-Dichlorobenzene
 Concen: 20.566 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.1
148	64.2	31.7	95.1

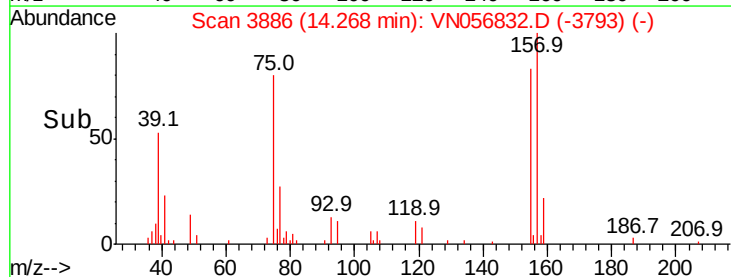
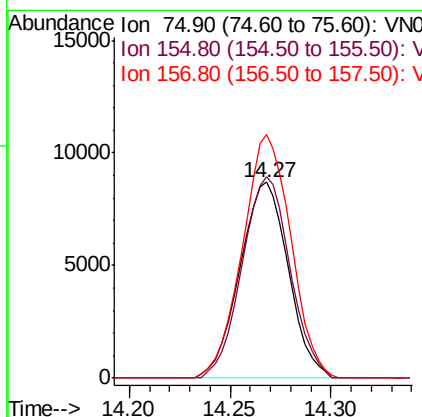
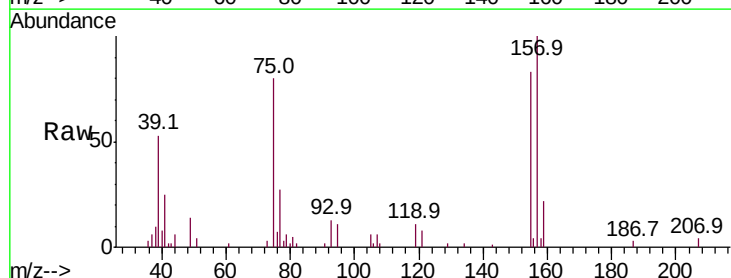
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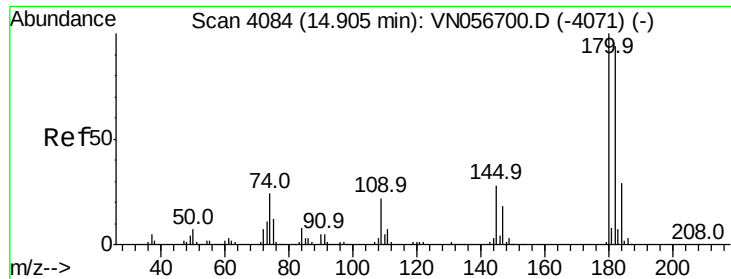
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.189 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.8	49.3	147.9
157	124.2	62.4	187.1





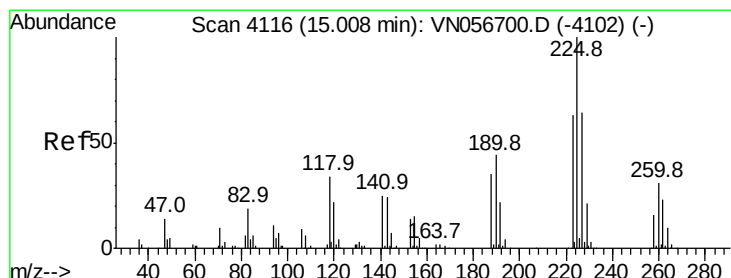
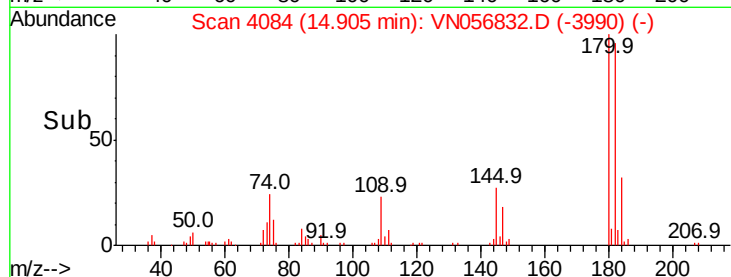
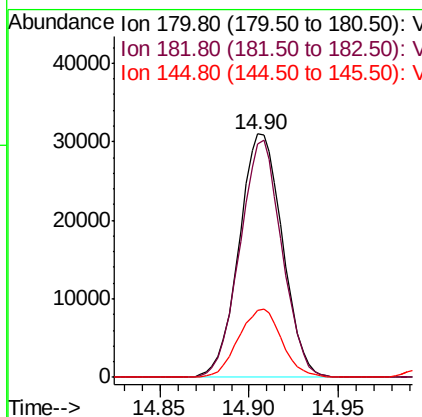
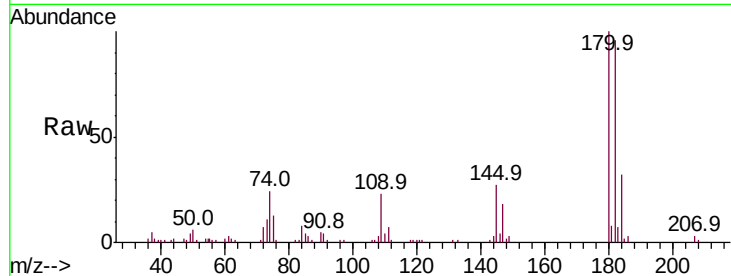
#93
 1,2,4-Trichlorobenzene
 Concen: 18.578 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.2	141.6
145	27.9	14.2	42.8

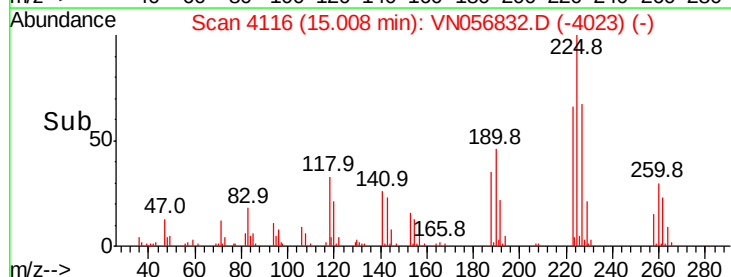
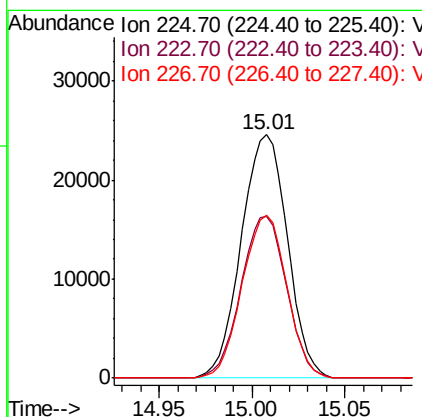
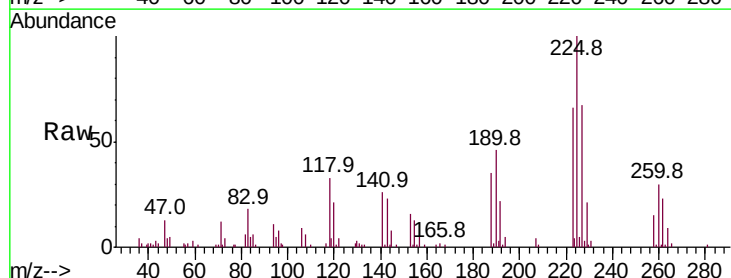
Manual Integrations
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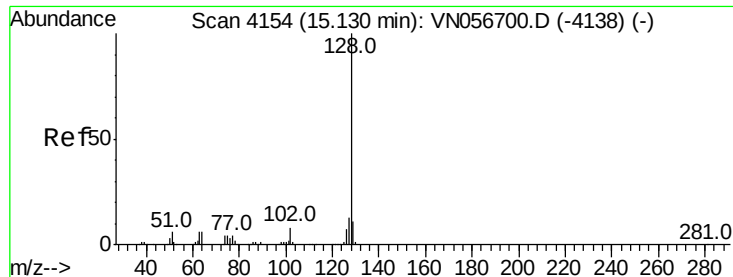
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 7/23/2019 4:32:36 AM



#94
 Hexachlorobutadiene
 Concen: 22.098 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056832.D
 Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.5	94.5
227	64.9	32.0	96.2





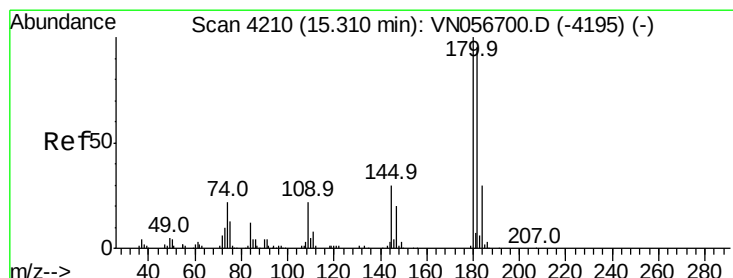
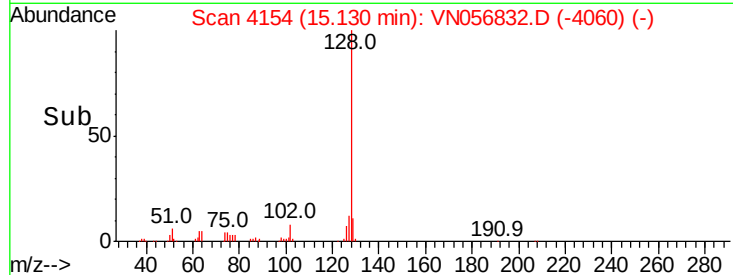
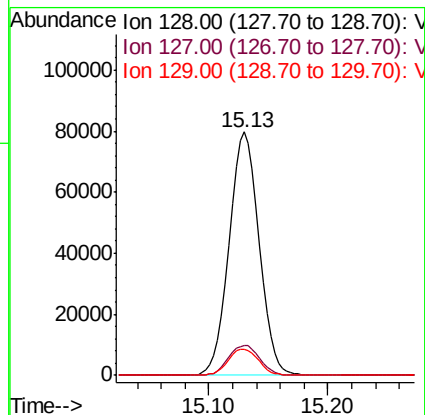
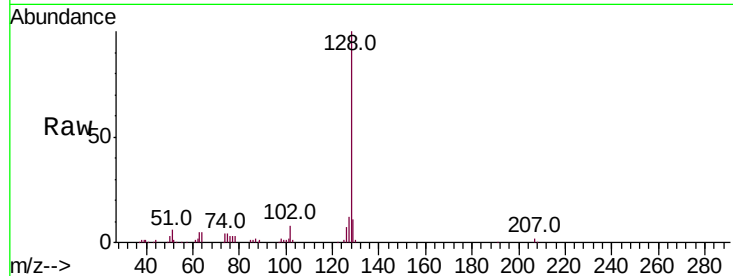
#95
Naphthalene
Concen: 18.595 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	139022		
127	12.9	10.3	15.5	
129	11.0	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.529 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN056832.D
Acq: 19 Jul 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56458		
182	94.9	47.1	141.3	
145	30.0	15.0	45.1	

