

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056825.D
 Acq On : 19 Jul 2019 12:35
 Operator : JC/SP
 Sample : VN0719WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 4:32:34 AM

Quant Time: Jul 19 23:38:10 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	301470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	466627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168954	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	170299	51.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.14%	
35) Dibromofluoromethane	7.59	113	148662	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
50) Toluene-d8	10.09	98	566665	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	183391	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	52653	18.600	ug/l	100
3) Chloromethane	2.06	50	71333	18.743	ug/l	99
4) Vinyl Chloride	2.18	62	67820	18.505	ug/l	100
5) Bromomethane	2.55	94	40967	19.008	ug/l	95
6) Chloroethane	2.70	64	39632	18.557	ug/l	98
7) Trichlorofluoromethane	3.01	101	91008	19.352	ug/l	98
8) Diethyl Ether	3.41	74	36135	19.709	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	55753	19.733	ug/l	100
10) Methyl Iodide	3.95	142	70826	18.742	ug/l	99
11) Tert butyl alcohol	4.79	59	54913	98.932	ug/l	99
12) 1,1-Dichloroethene	3.73	96	54691	19.298	ug/l	96
13) Acrolein	3.61	56	17196	97.505	ug/l	98
14) Allyl chloride	4.32	41	93124	19.001	ug/l	99
15) Acrylonitrile	4.99	53	162467	101.357	ug/l	99
16) Acetone	3.82	43	136494	88.823	ug/l	100
17) Carbon Disulfide	4.05	76	127721	17.054	ug/l	98
18) Methyl Acetate	4.33	43	72710	20.493	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	180047	19.939	ug/l	99
20) Methylene Chloride	4.55	84	66033	19.663	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	57948	19.344	ug/l	97
22) Diisopropyl ether	5.96	45	197217	20.386	ug/l	99
23) Vinyl Acetate	5.90	43	787366	100.439	ug/l	99
24) 1,1-Dichloroethane	5.85	63	111553	19.889	ug/l	99
25) 2-Butanone	6.84	43	212198	94.450	ug/l	99
26) 2,2-Dichloropropane	6.82	77	79543	19.669	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	71054	20.613	ug/l	97
28) Bromochloromethane	7.20	49	45502	17.255	ug/l	97
29) Tetrahydrofuran	7.21	42	145350	99.192	ug/l	99
30) Chloroform	7.37	83	113514	20.225	ug/l	95
31) Cyclohexane	7.65	56	103419	19.400	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	89205	20.097	ug/l	100
36) 1,1-Dichloropropene	7.79	75	79276	18.359	ug/l	99
37) Ethyl Acetate	6.93	43	85119	20.001	ug/l	98
38) Carbon Tetrachloride	7.77	117	77782	19.208	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	96486	18.097	ug/l	99
40) Benzene	8.04	78	258709	19.554	ug/l	99
41) Methacrylonitrile	7.17	41	37032	19.810	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	82796	19.801	ug/l	99
43) Isopropyl Acetate	8.17	43	131291	19.624	ug/l #	91
44) Trichloroethene	8.83	130	69598	19.371	ug/l	96
45) 1,2-Dichloropropane	9.12	63	69463	19.759	ug/l	97
46) Dibromomethane	9.21	93	43798	20.104	ug/l	99
47) Bromodichloromethane	9.40	83	83087	20.070	ug/l	97
48) Methyl methacrylate	9.20	41	64267	19.862	ug/l	99
49) 1,4-Dioxane	9.20	88	25352	381.859	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	424031	97.854	ug/l	99
52) Toluene	10.16	92	159221	20.264	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	84469	19.556	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	96698	19.293	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	66086	20.053	ug/l	97
56) Ethyl methacrylate	10.43	69	96743	20.402	ug/l	98
57) 1,3-Dichloropropane	10.71	76	109263	20.299	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	198366	86.992	ug/l	100
59) 2-Hexanone	10.75	43	299619	96.362	ug/l	100
60) Dibromochloromethane	10.90	129	63856	19.702	ug/l	99
61) 1,2-Dibromoethane	11.00	107	67735	20.681	ug/l	98
64) Tetrachloroethene	10.63	164	72531	20.276	ug/l	98
65) Chlorobenzene	11.43	112	169689	20.014	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	62240	19.938	ug/l	98
67) Ethyl Benzene	11.51	91	290317	19.484	ug/l	100
68) m/p-Xylenes	11.62	106	217905	39.132	ug/l	99
69) o-Xylene	11.95	106	106443	19.443	ug/l	99
70) Styrene	11.96	104	173946	19.653	ug/l	99
71) Bromoform	12.13	173	46170	19.438	ug/l #	98
73) Isopropylbenzene	12.25	105	279855	20.543	ug/l	100
74) N-amyl acetate	12.07	43	97659	19.249	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93181	22.554	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	81450m	22.042	ug/l	
77) Bromobenzene	12.53	156	73717	20.688	ug/l	98
78) n-propylbenzene	12.59	91	297647	19.681	ug/l	100
79) 2-Chlorotoluene	12.67	91	186727	21.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	237571	20.576	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22411	18.730	ug/l	93
82) 4-Chlorotoluene	12.77	91	176205	19.853	ug/l	99
83) tert-Butylbenzene	12.99	119	203387	21.783	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	231042	20.483	ug/l	99
85) sec-Butylbenzene	13.17	105	260518	20.306	ug/l	99
86) p-Isopropyltoluene	13.29	119	235284	20.244	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	112815	19.319	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	109757	19.323	ug/l	99
89) n-Butylbenzene	13.61	91	175079	18.701	ug/l	100
90) Hexachloroethane	13.87	117	36833	19.597	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	117348	19.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14522	19.880	ug/l	97

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ClientSampleId :
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Manual Integrations
APPROVED

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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	14.91	180	46429	16.724	ug/l	99
94) Hexachlorobutadiene	15.01	225	41882	21.587	ug/l	98
95) Naphthalene	15.13	128	112700	15.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50627	17.750	ug/l	99

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

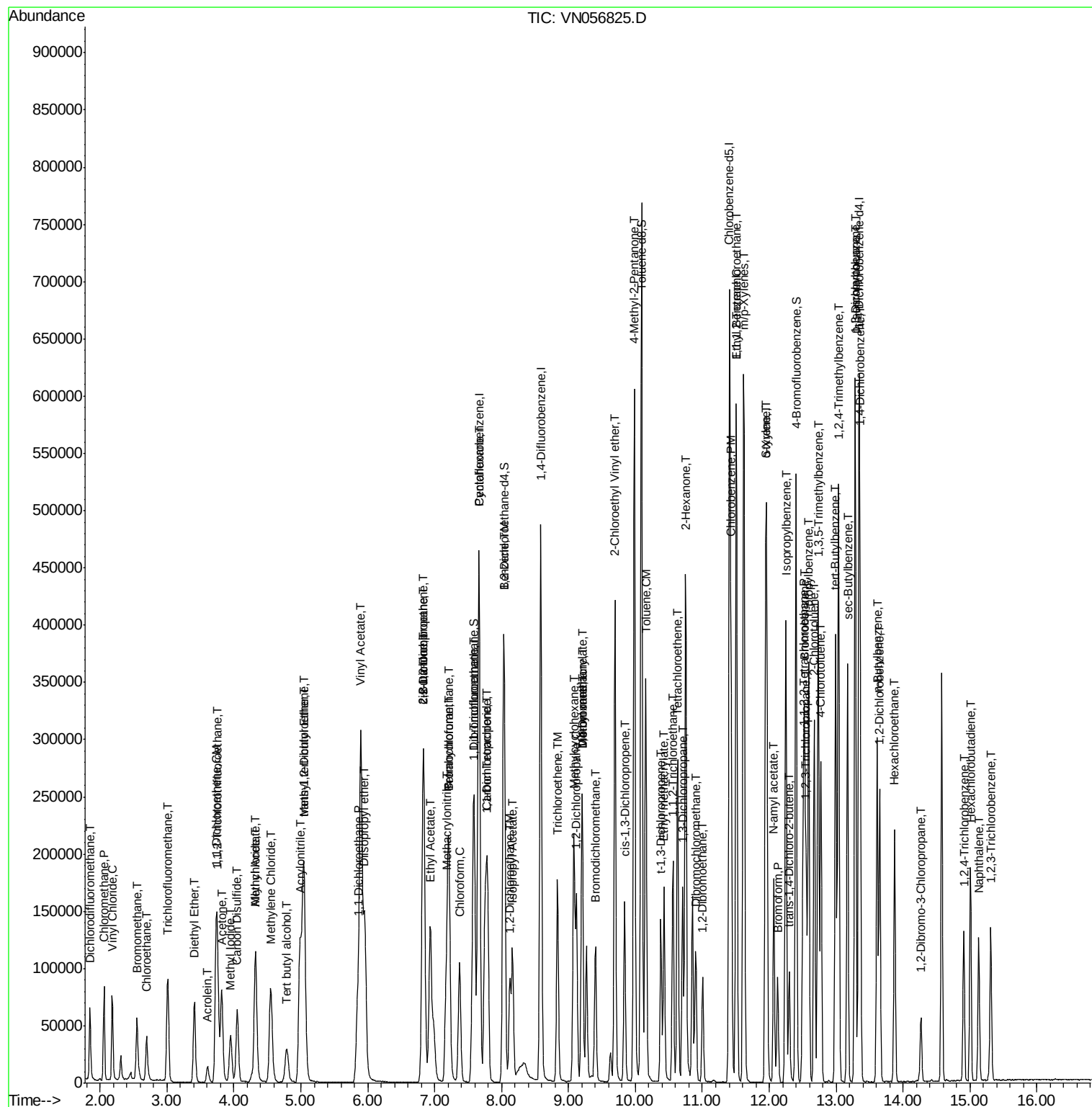
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Data File : VN056825.D
Acq On : 19 Jul 2019 12:35
Operator : JC/SP
Sample : VN0719WBS01
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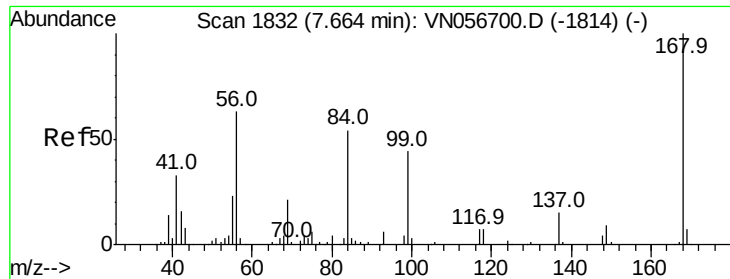
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion:168 Resp: 301470

Ion Ratio Lower Upper

168 100

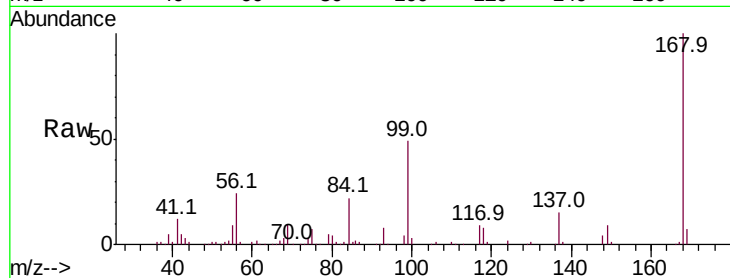
99 49.0 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN056700.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN056700.D (-1814) (-)

7.67

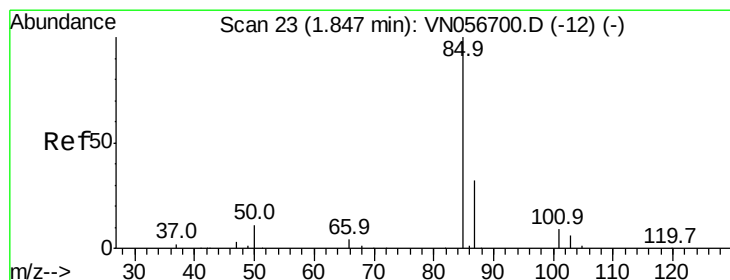
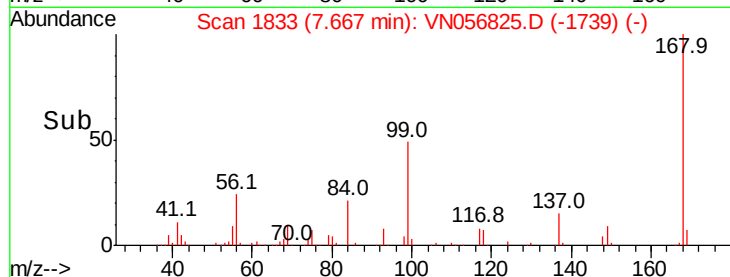
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.600 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056825.D

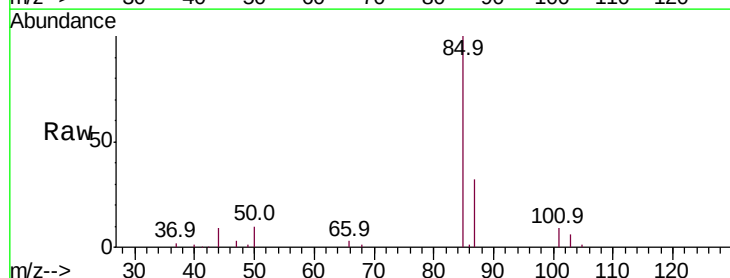
Acq: 19 Jul 2019 12:35

Tgt Ion: 85 Resp: 52653

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN056700.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056700.D (-12) (-)

1.85

40000

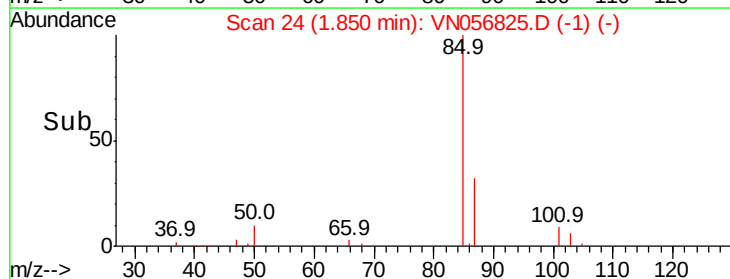
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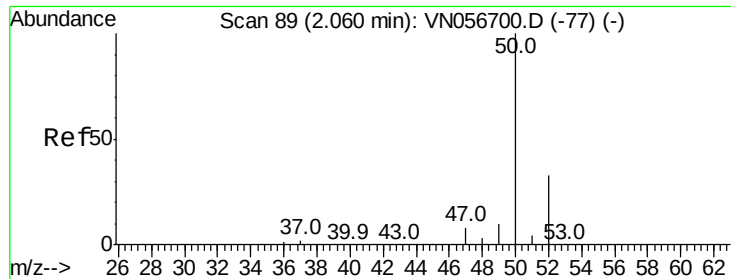
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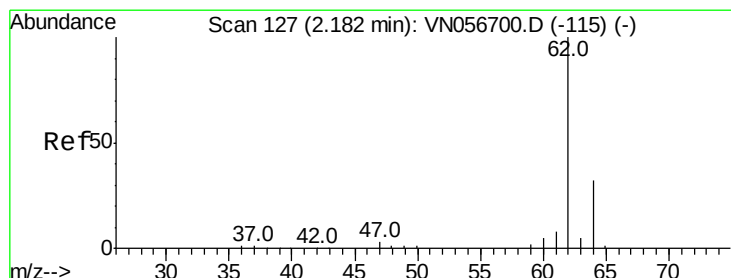
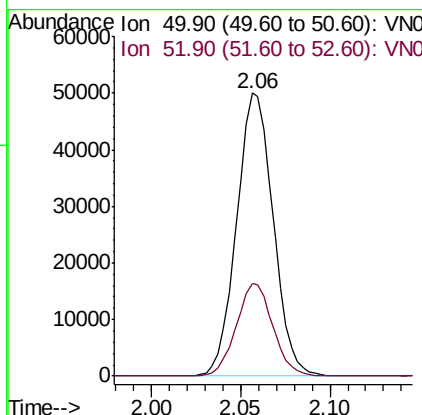
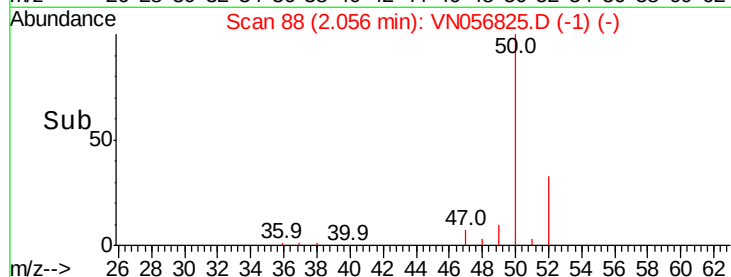
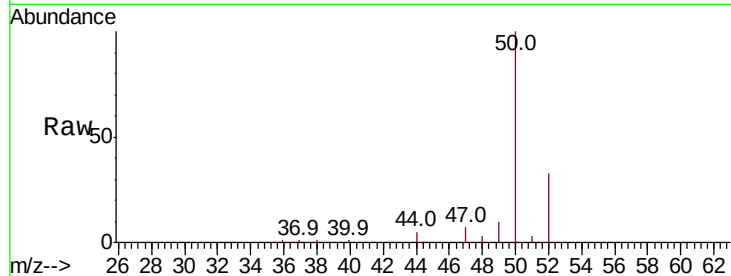
#3
Chloromethane
Concen: 18.743 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion: 50 Resp: 71333
Ion Ratio Lower Upper
50 100
52 32.7 26.5 39.7

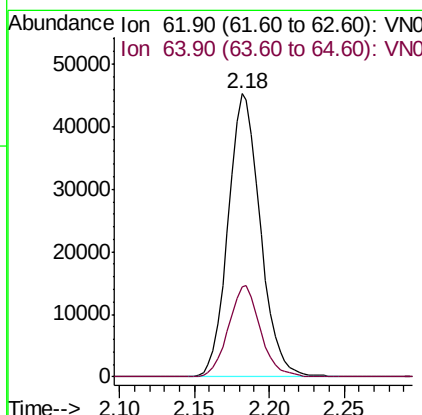
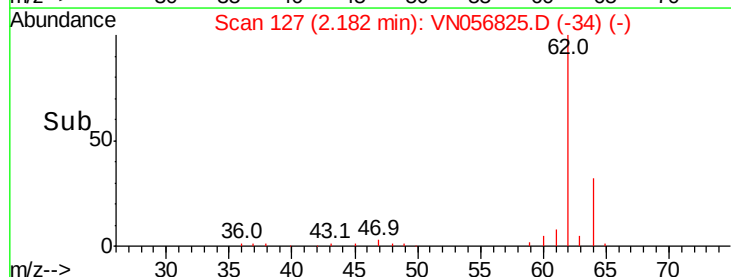
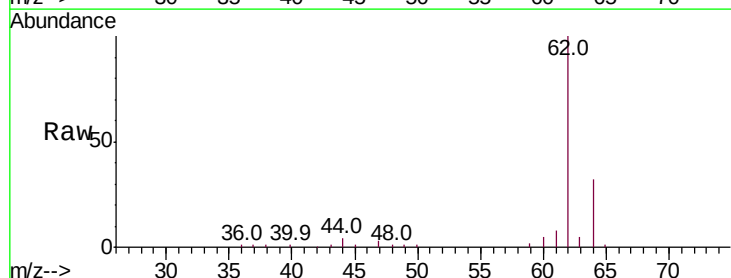
Manual Integrations
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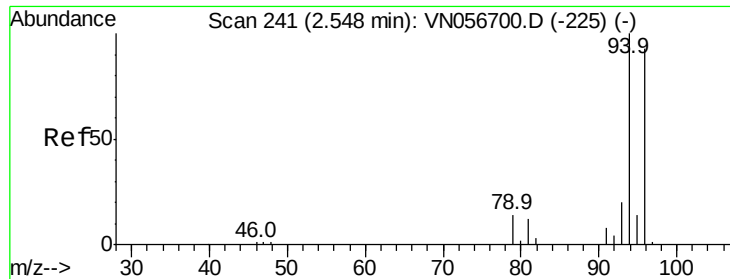
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#4
Vinyl Chloride
Concen: 18.505 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion: 62 Resp: 67820
Ion Ratio Lower Upper
62 100
64 31.9 25.6 38.4





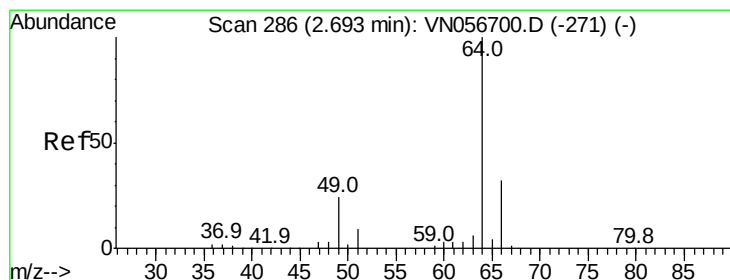
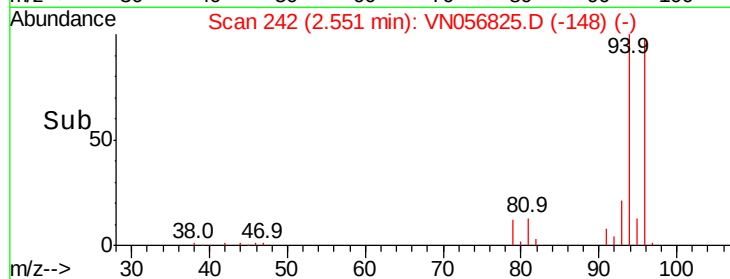
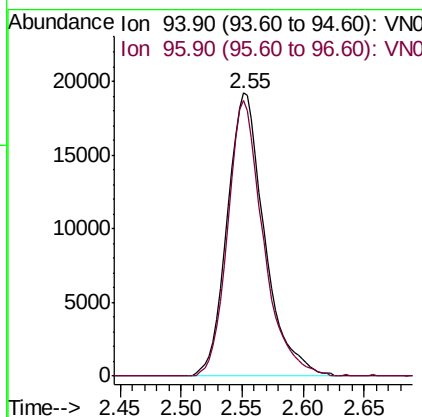
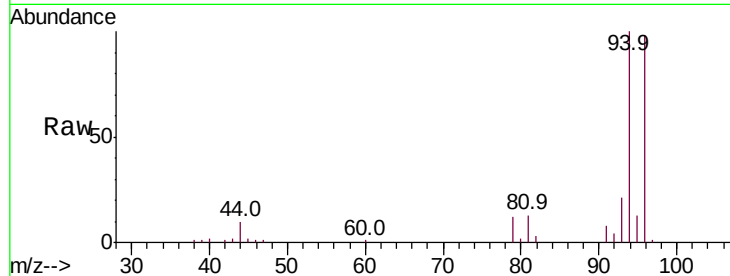
#5
Bromomethane
Concen: 19.008 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 40967
Ion Ratio Lower Upper
94 100
96 97.6 74.0 111.0

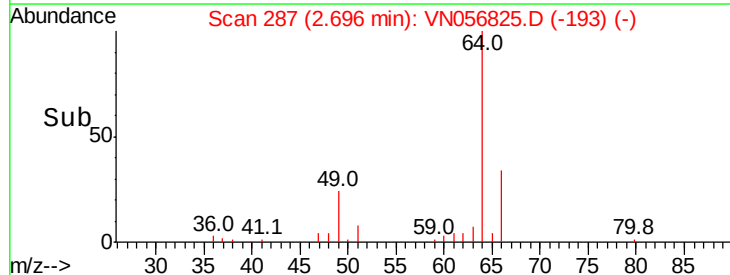
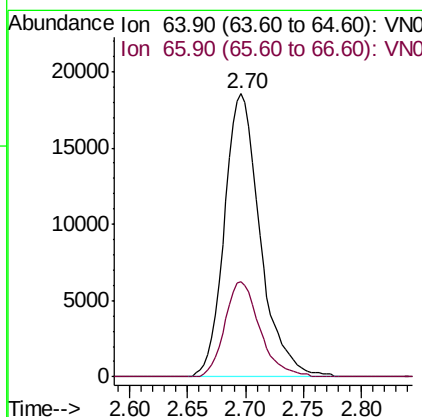
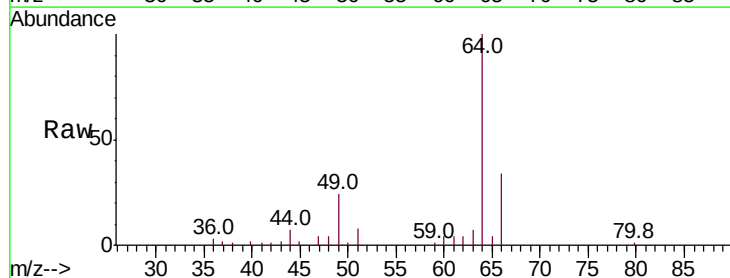
Manual Integrations
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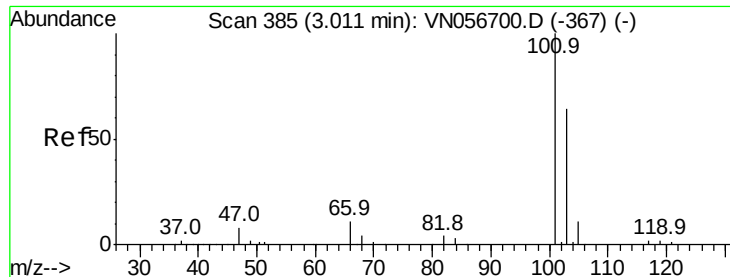
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#6
Chloroethane
Concen: 18.557 ug/l
RT: 2.70 min Scan# 287
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion: 64 Resp: 39632
Ion Ratio Lower Upper
64 100
66 33.6 25.8 38.8





#7

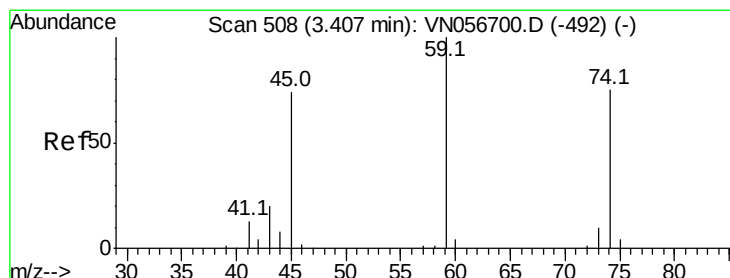
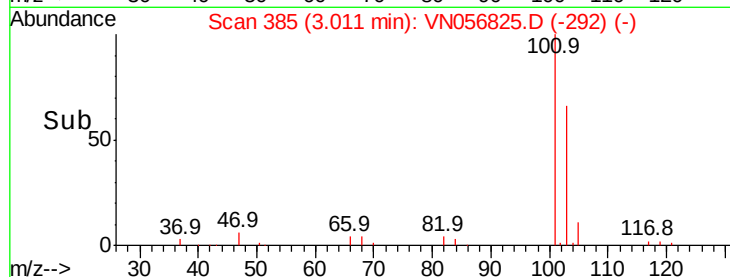
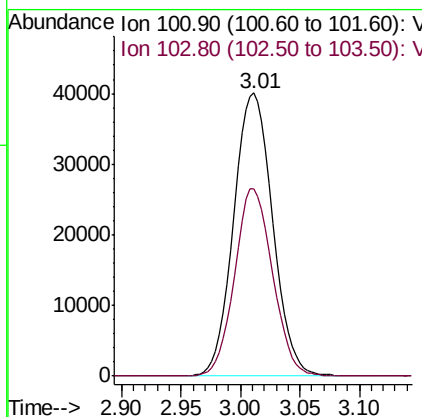
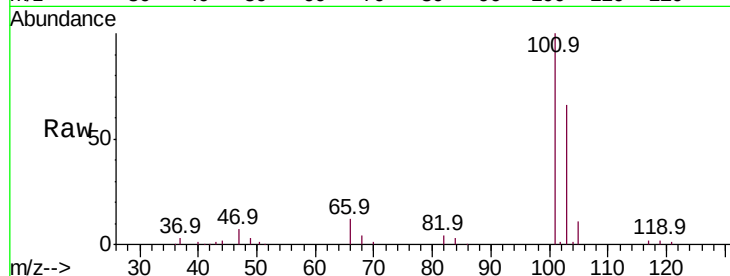
Trichlorofluoromethane
 Concen: 19.352 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.5	77.3

Manual Integrations
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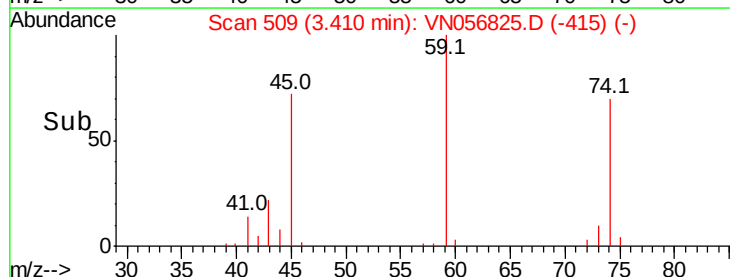
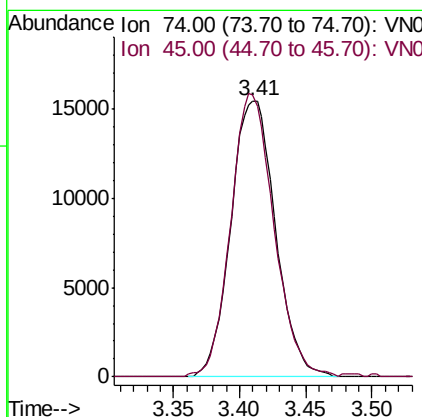
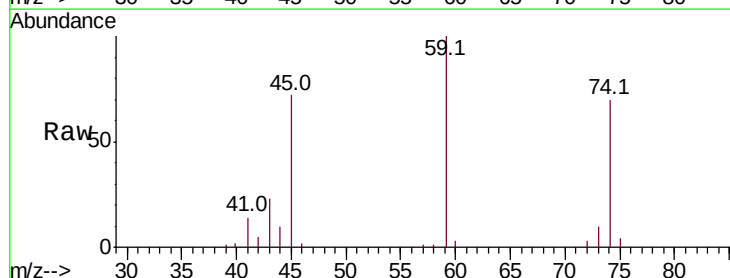
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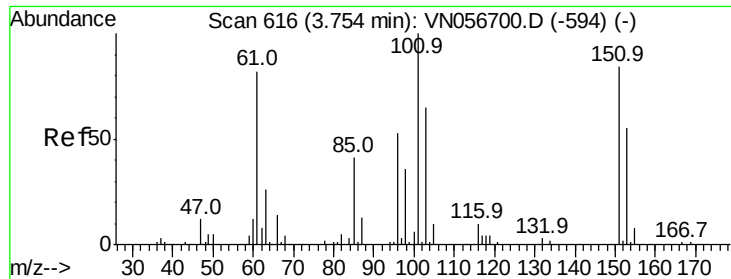


#8

Diethyl Ether
 Concen: 19.709 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.733 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

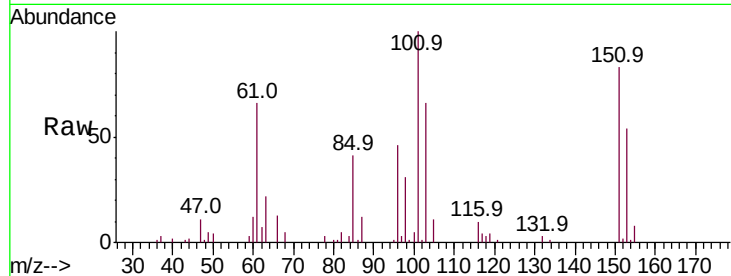
ClientSampleId :

VN0719WBS01

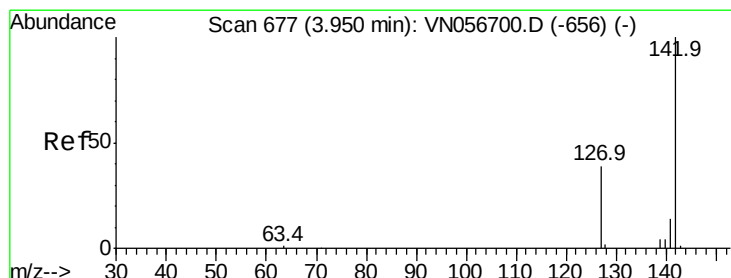
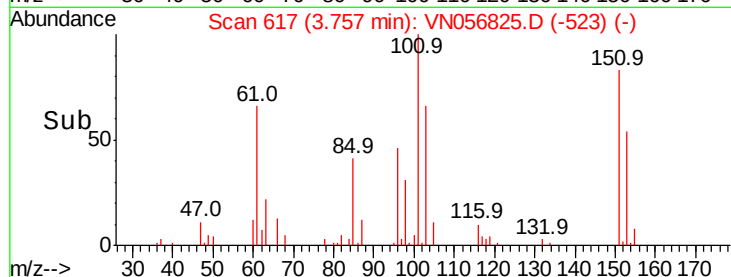
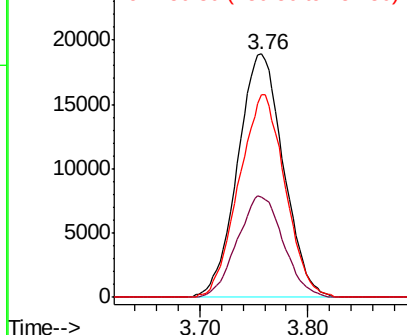
Tot Ion:	101	Resp:	55753
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.3	49.9
151	84.0	67.0	100.6

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



#10

Methyl Iodide

Concen: 18.742 ug/l

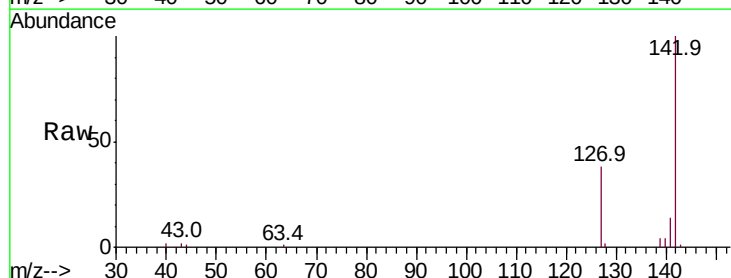
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

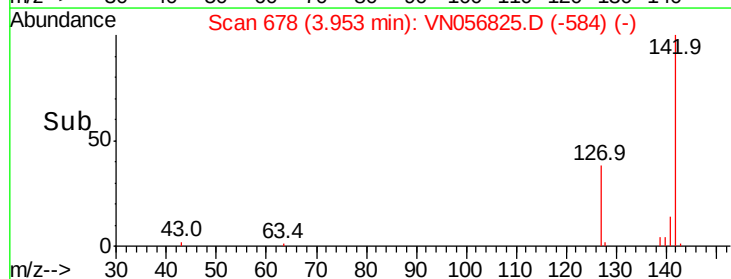
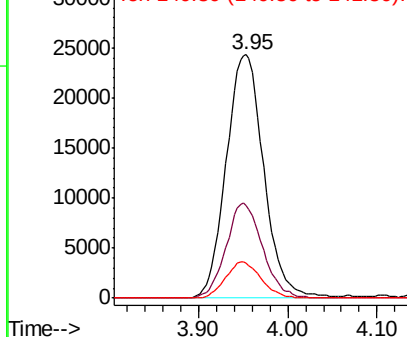
Lab File: VN056825.D

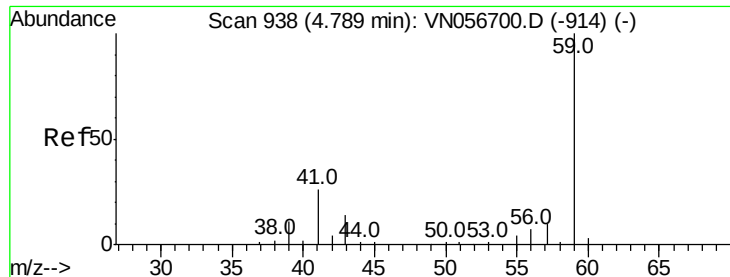
Acq: 19 Jul 2019 12:35

Tgt Ion:	142	Resp:	70826
Ion Ratio	Lower	Upper	
142	100		
127	37.7	30.7	46.1
141	14.0	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





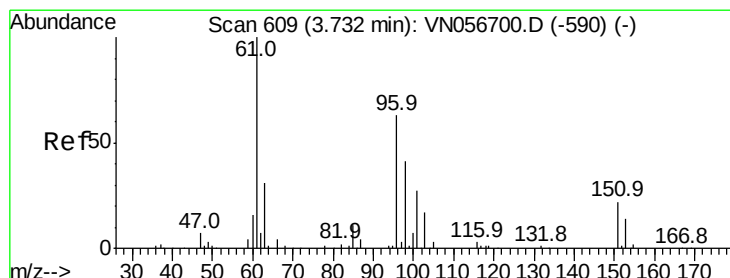
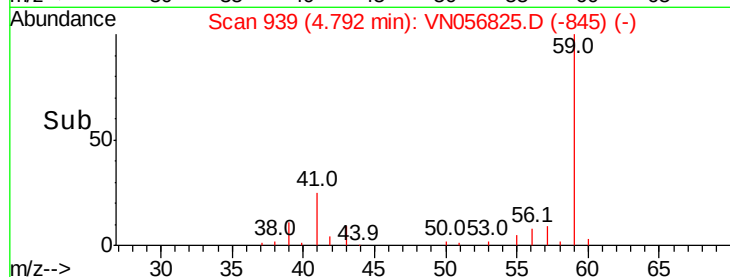
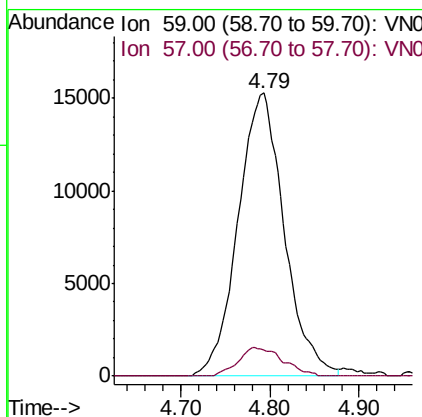
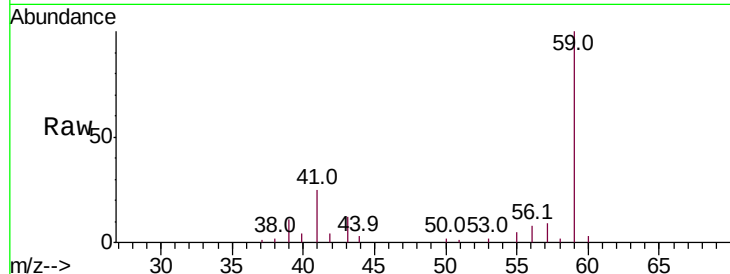
#11
Tert butyl alcohol
Concen: 98.932 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	9.8		8.0	12.0

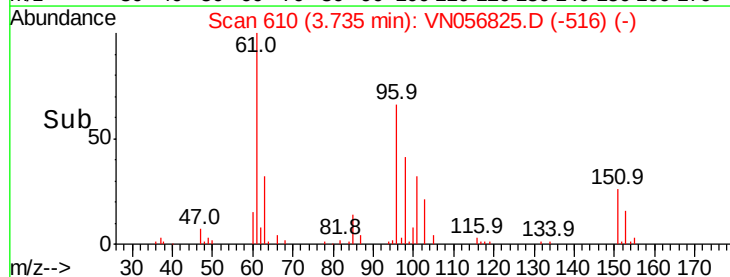
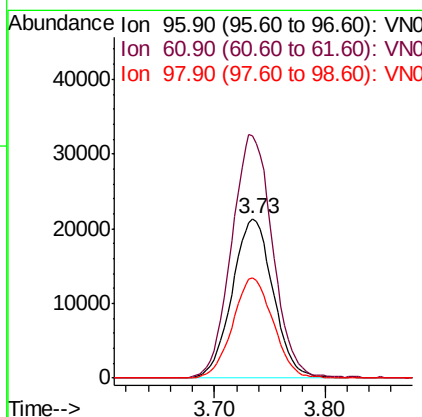
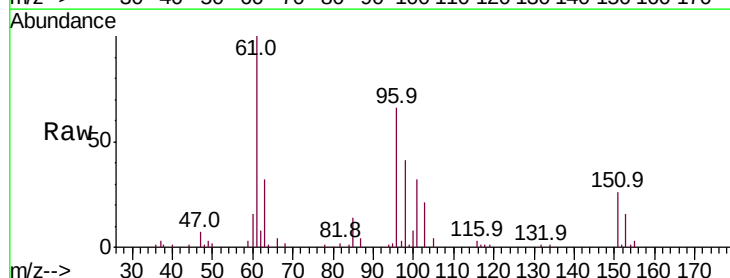
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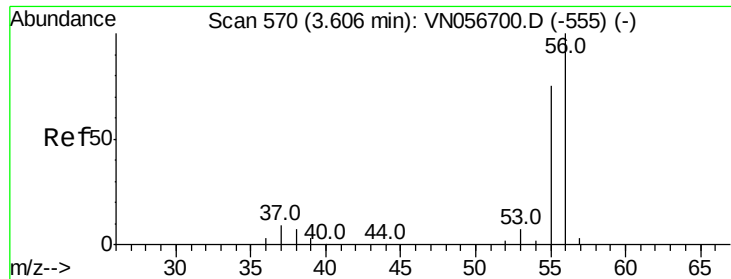
MMDadoda
7/23/2019 4:32:34 AM



#12
1,1-Dichloroethene
Concen: 19.298 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.2		126.6	189.8
98	62.9		51.4	77.2





#13

Acrolein

Concen: 97.505 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 56 Resp: 17196

Ion Ratio Lower Upper

56 100

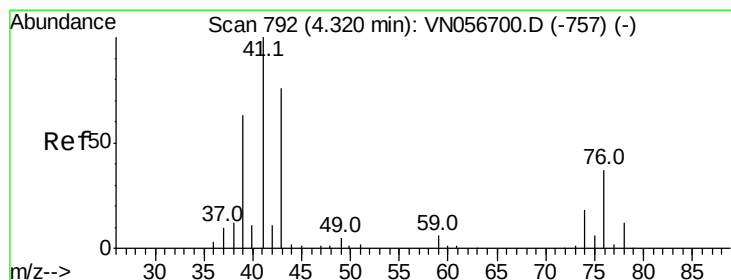
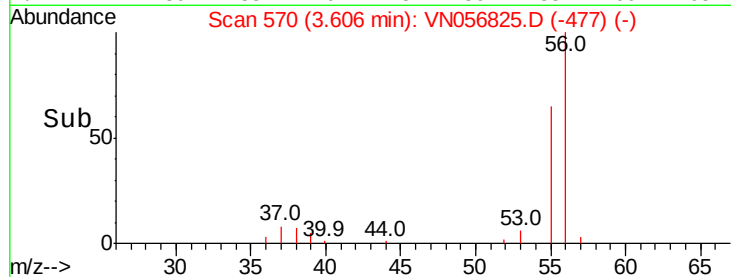
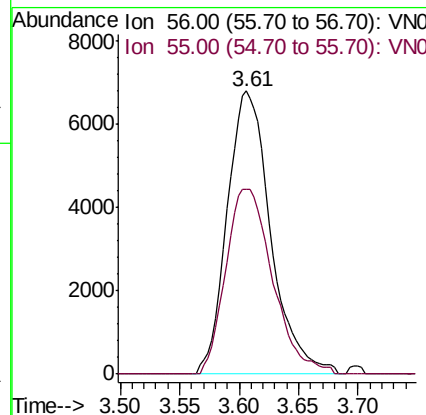
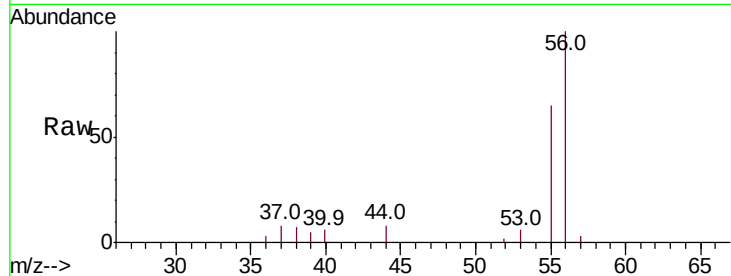
55 70.4 58.0 87.0

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#14

Allyl chloride

Concen: 19.001 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

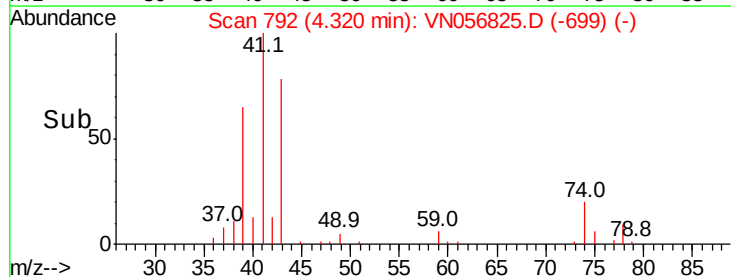
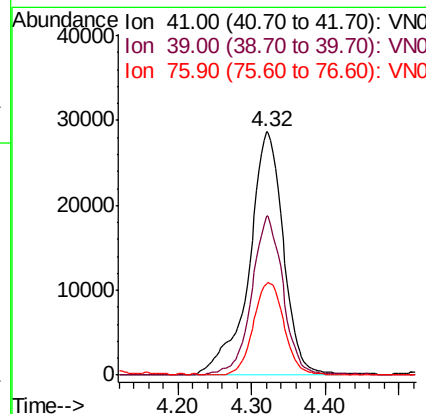
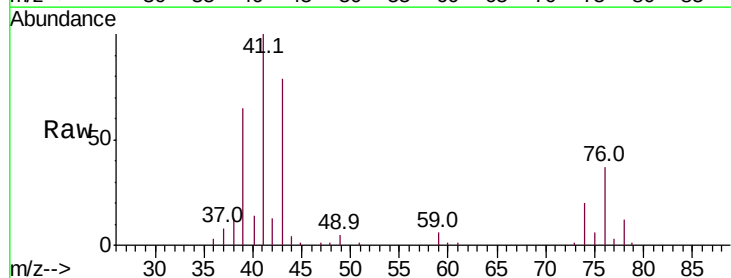
Tgt Ion: 41 Resp: 93124

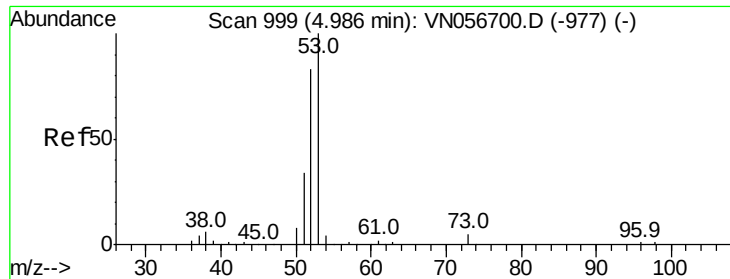
Ion Ratio Lower Upper

41 100

39 59.5 46.9 70.3

76 33.8 26.5 39.7





#15

Acrylonitrile

Concen: 101.357 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

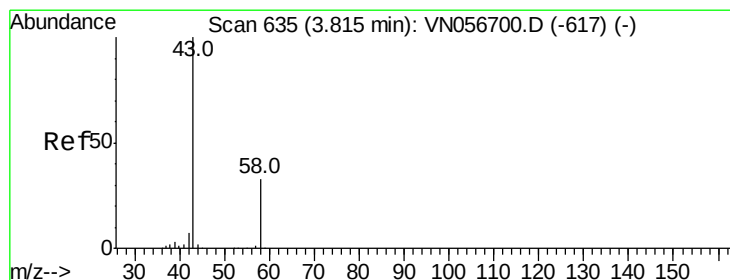
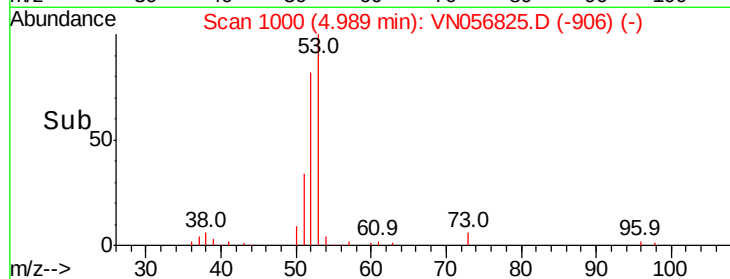
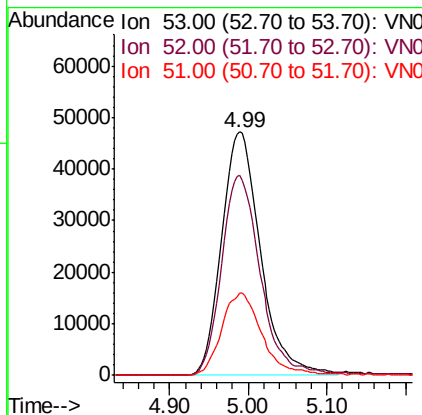
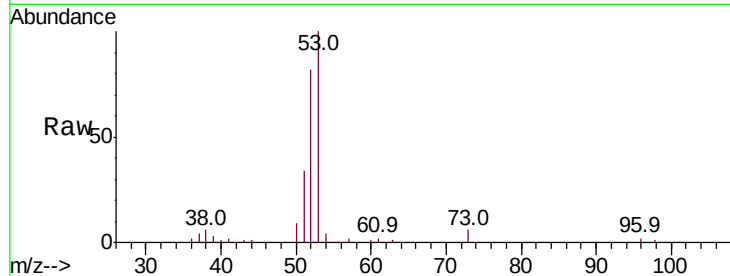
ClientSampleId :

VN0719WBS01

Tot Ion:	53	Resp:	162467
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	99.8
51	34.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 88.823 ug/l

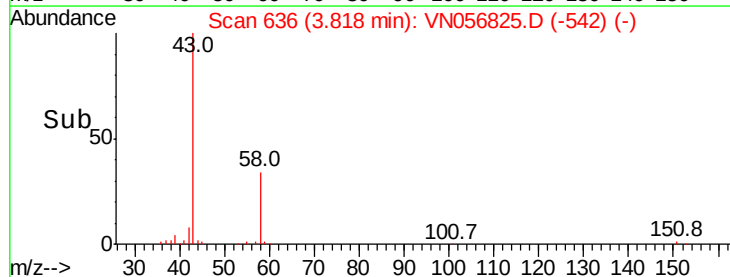
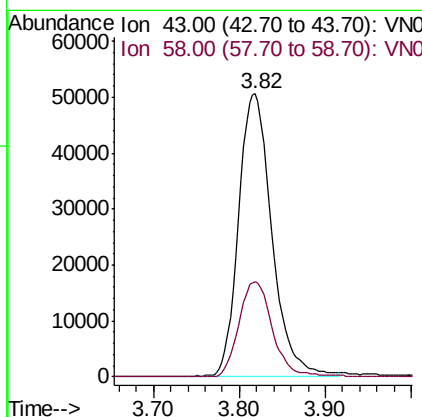
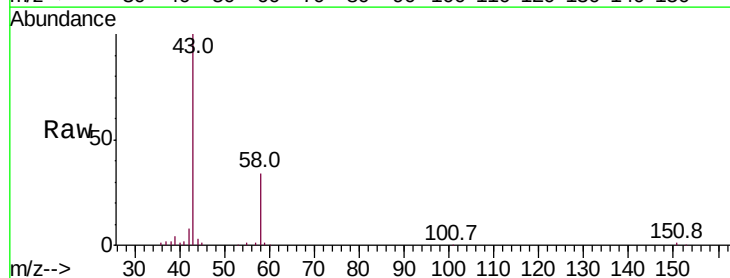
RT: 3.82 min Scan# 636

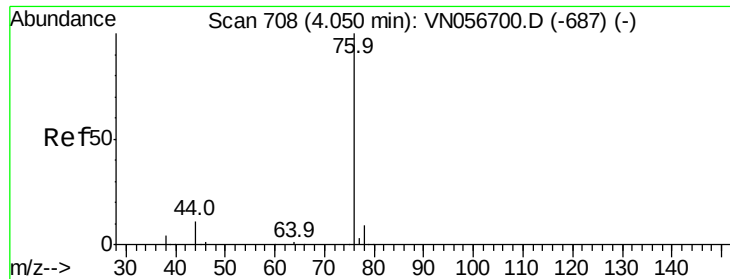
Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Tgt Ion:	43	Resp:	136494
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.7	40.1





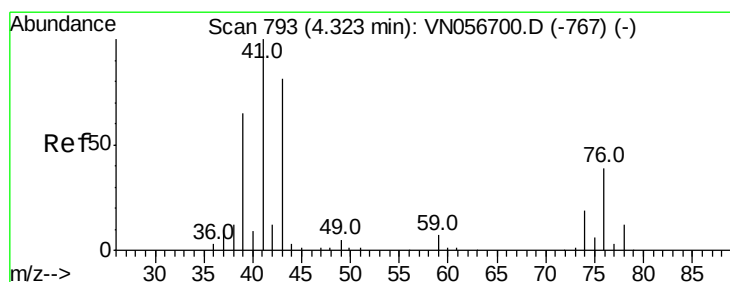
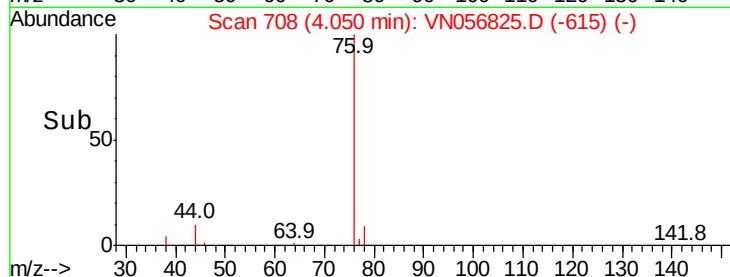
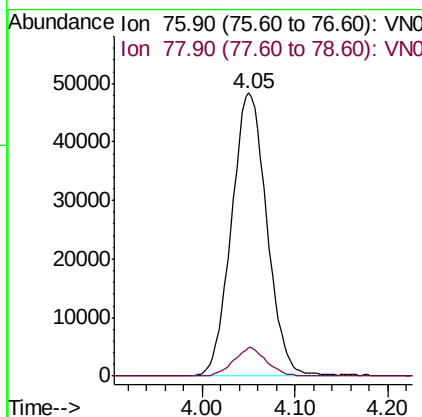
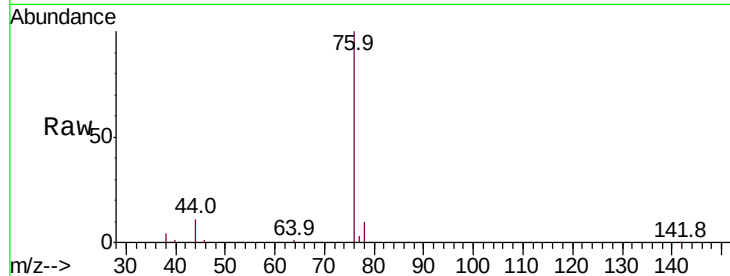
#17
Carbon Disulfide
Concen: 17.054 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.4	11.0

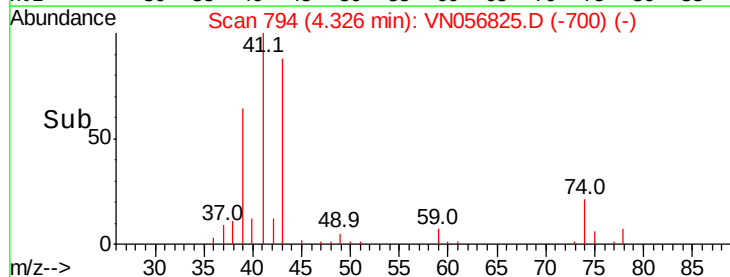
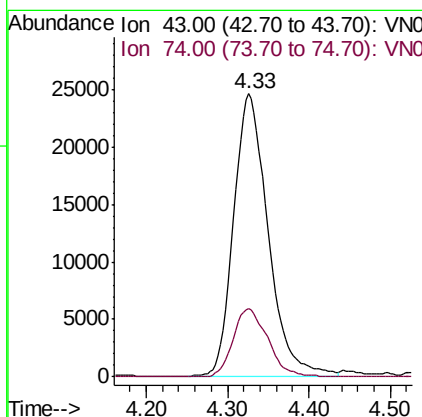
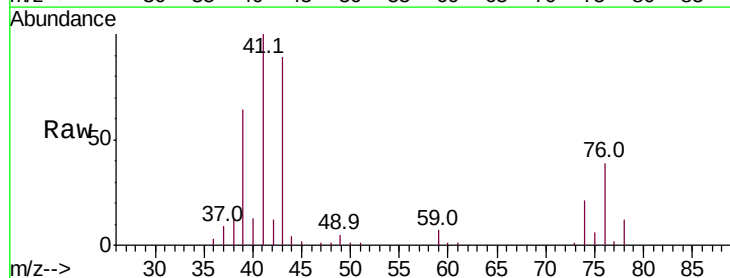
Manual Integrations
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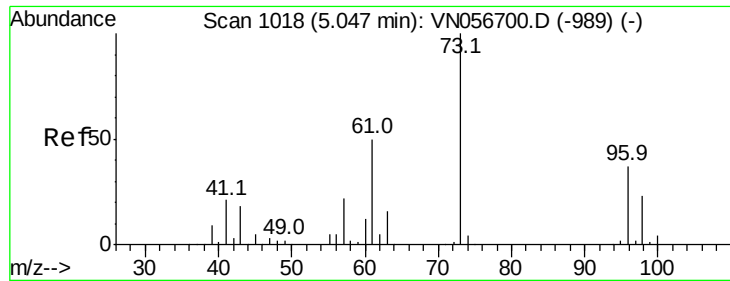
MMDadoda
7/23/2019 4:32:34 AM



#18
Methyl Acetate
Concen: 20.493 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.9	28.3





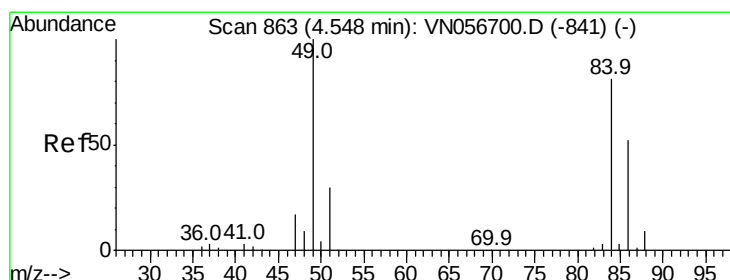
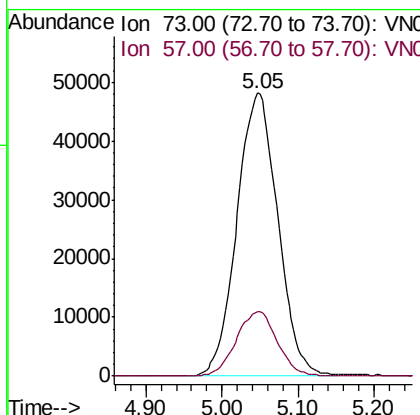
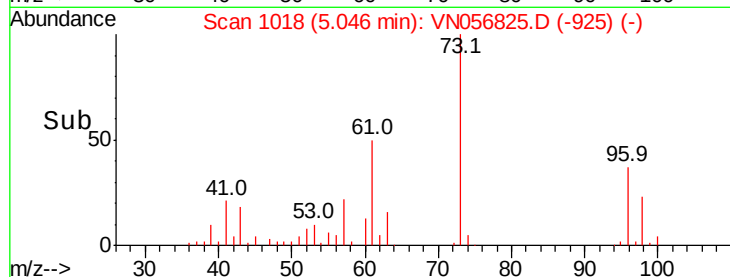
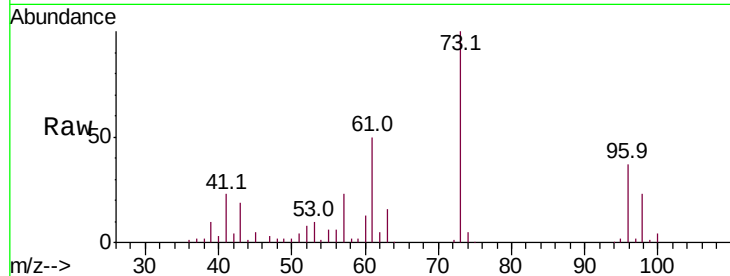
#19
Methyl tert-butyl Ether
Concen: 19.939 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion: 73 Resp: 180047
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9

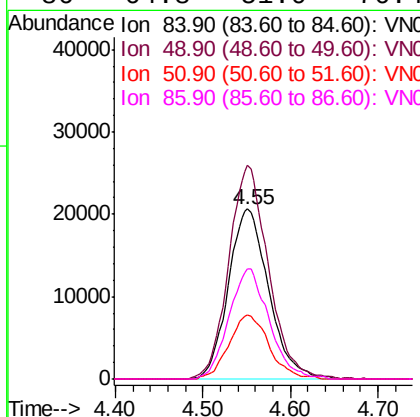
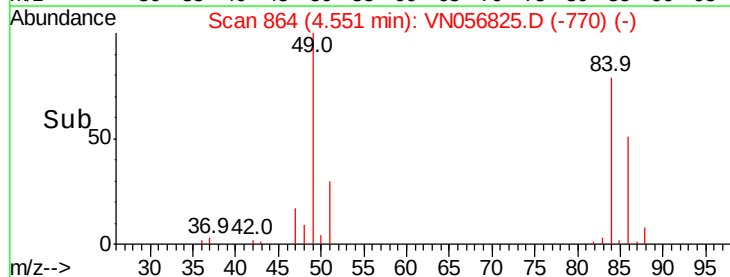
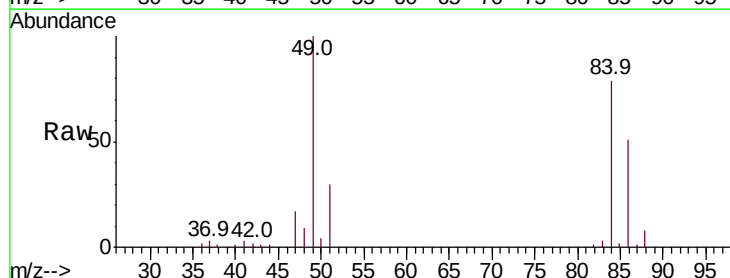
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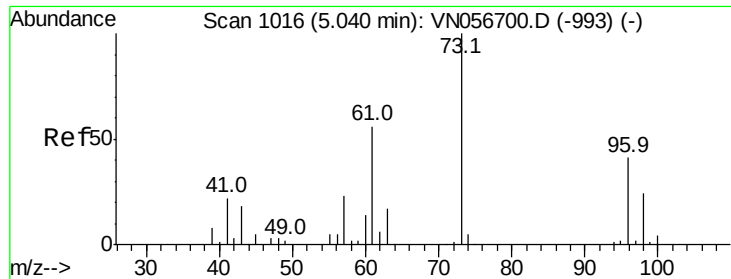
MMDadoda
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#20
Methylene Chloride
Concen: 19.663 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion: 84 Resp: 66033
Ion Ratio Lower Upper
84 100
49 125.9 98.2 147.4
51 37.5 29.6 44.4
86 64.8 51.0 76.4





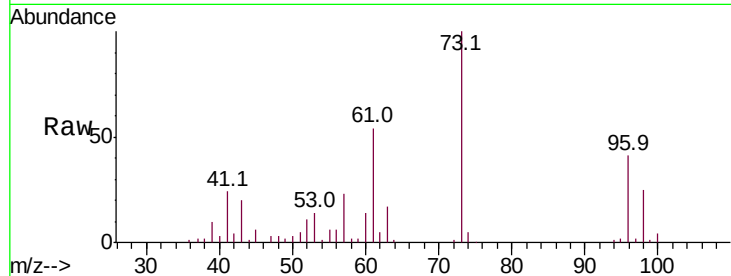
#21
trans-1,2-Dichloroethene
Concen: 19.344 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	109.4	164.2
98	60.0	48.0	72.0

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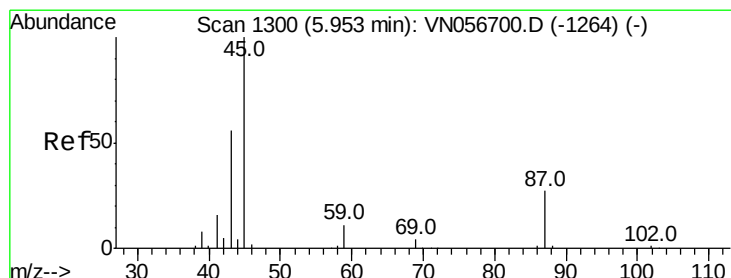
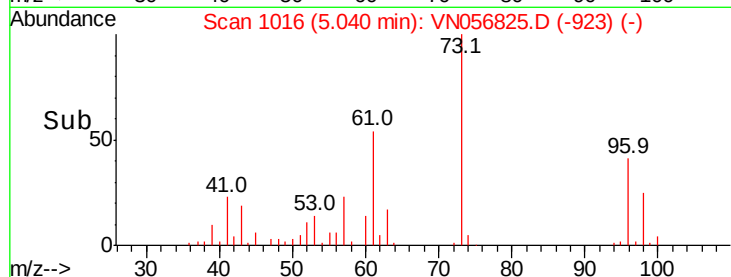
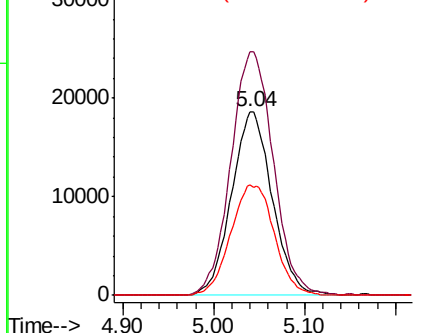


Abundance

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



#22
Diisopropyl ether
Concen: 20.386 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.6	68.4
87	27.5	22.0	33.0
59	11.7	9.3	13.9

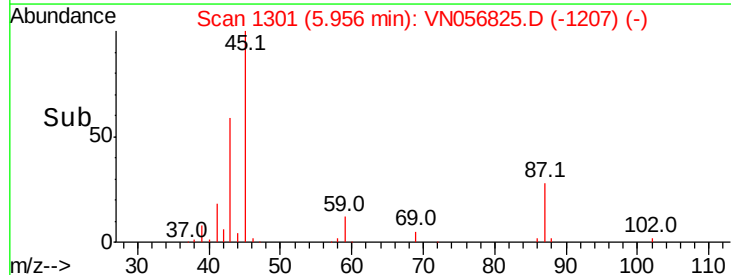
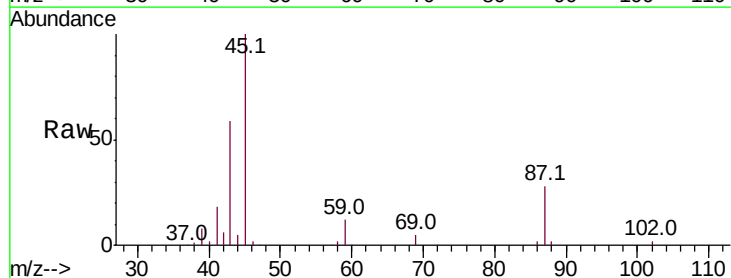
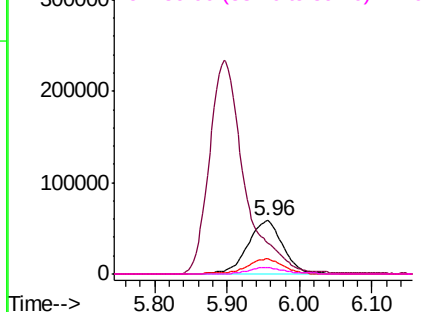
Abundance

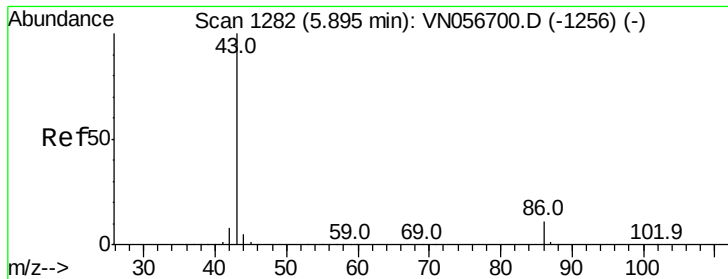
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.439 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 43 Resp: 787366

Ion Ratio Lower Upper

43 100

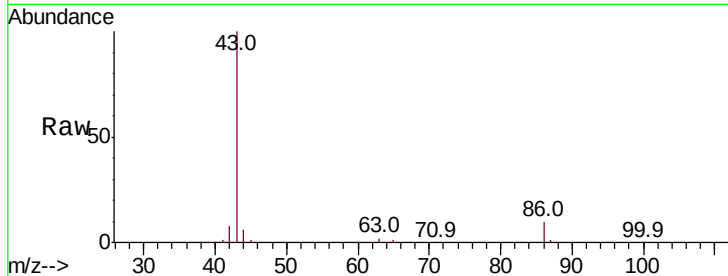
86 10.3 8.5 12.7

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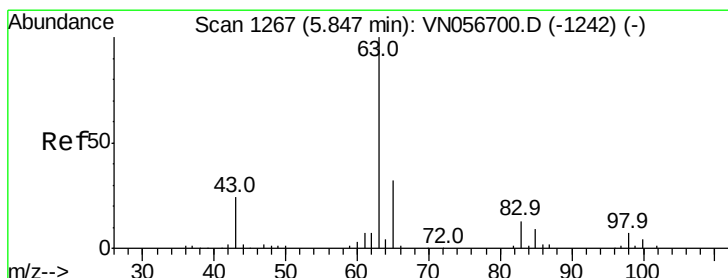
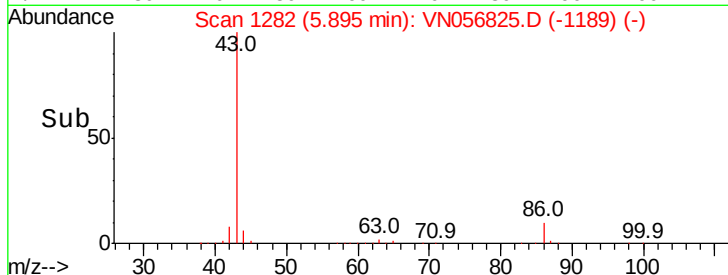
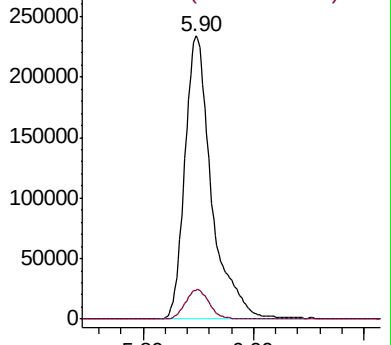
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.889 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

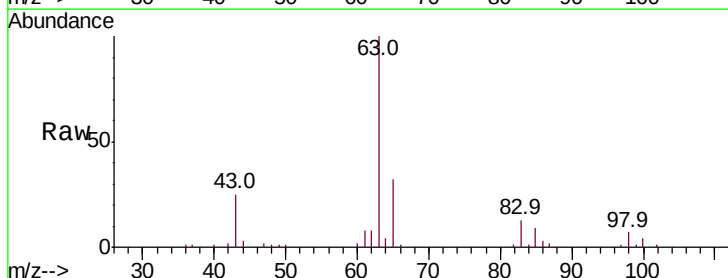
Tgt Ion: 63 Resp: 111553

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

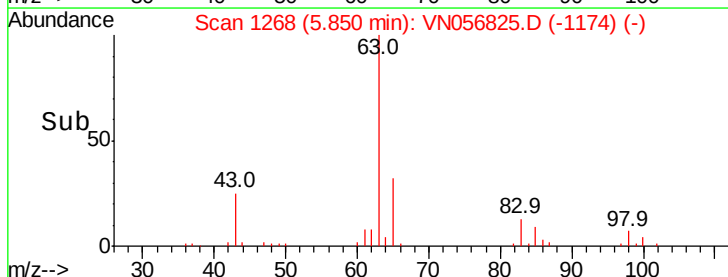
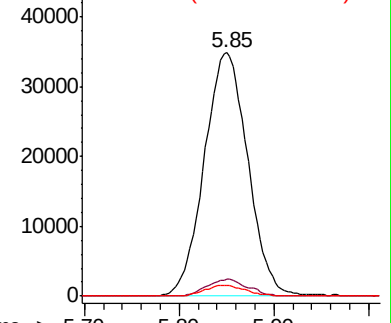
100 4.3 2.0 5.8

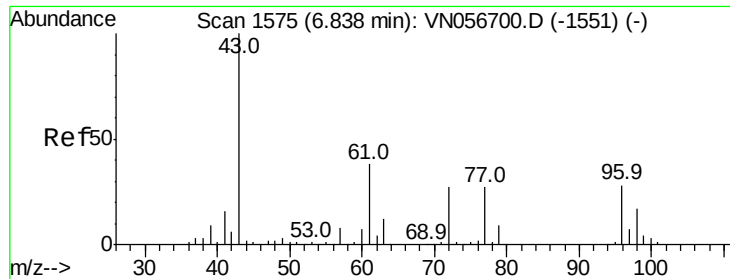


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 94.450 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 43 Resp: 212198

Ion Ratio Lower Upper

43 100

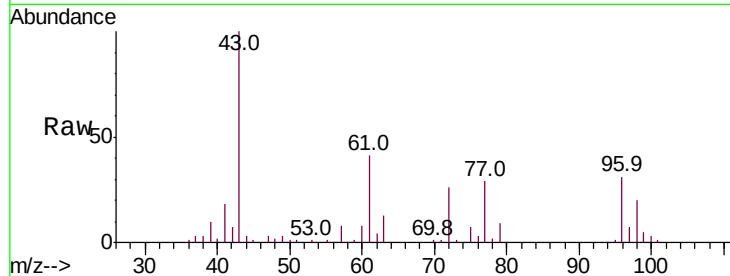
72 26.1 21.2 31.8

Manual Integrations

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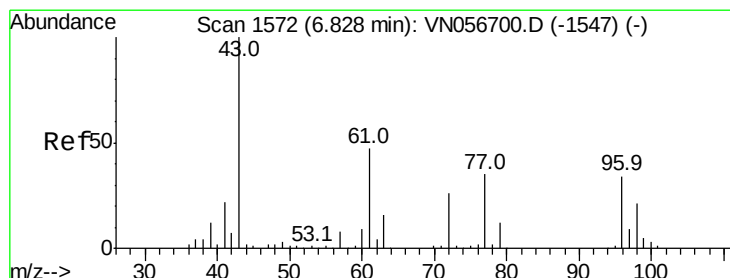
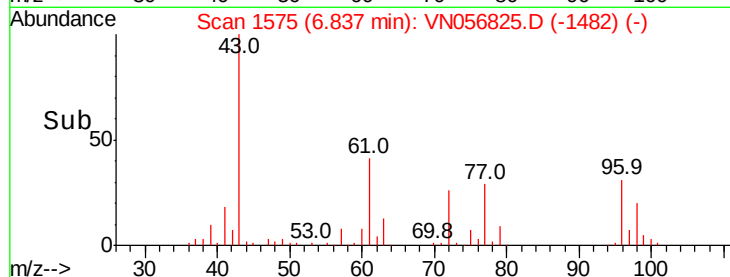
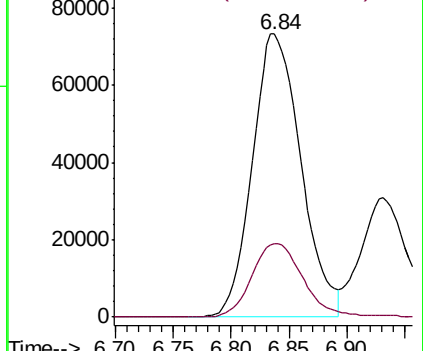
MMDadoda

7/23/2019 4:32:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.669 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056825.D

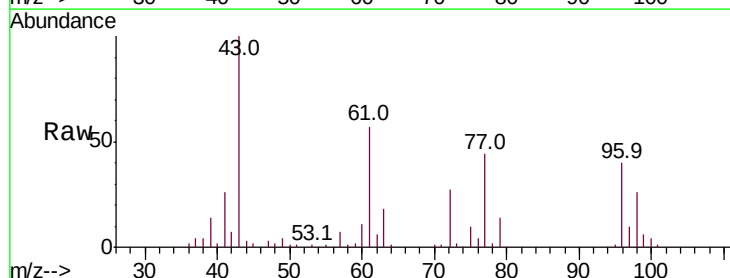
Acq: 19 Jul 2019 12:35

Tgt Ion: 77 Resp: 79543

Ion Ratio Lower Upper

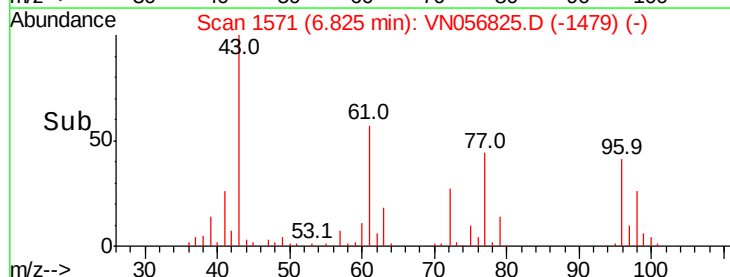
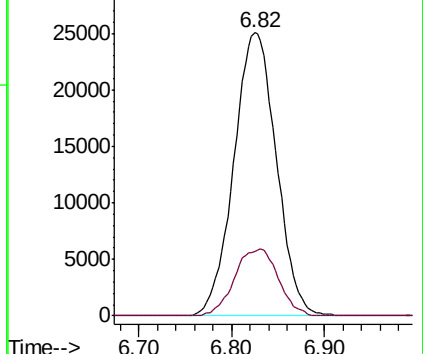
77 100

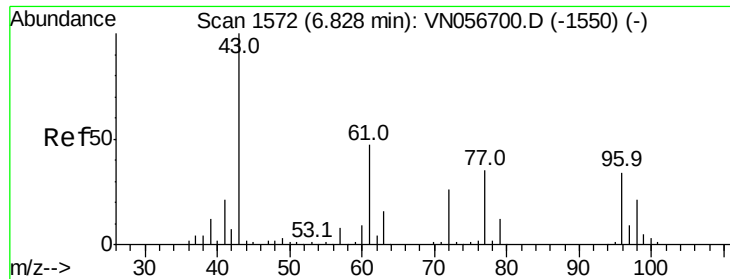
97 24.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.613 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

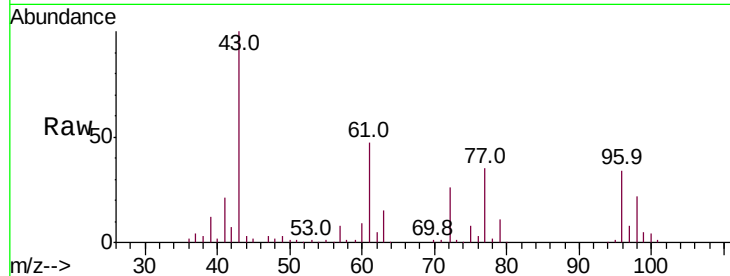
ClientSampleId :

VN0719WBS01

Tot Ion:	96	Resp:	71054
Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	281.4
98	63.4	0.0	127.8

Manual Integrations
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MMDadoda
7/23/2019 4:32:34 AM



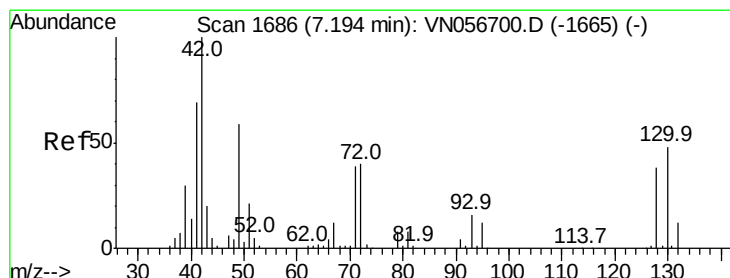
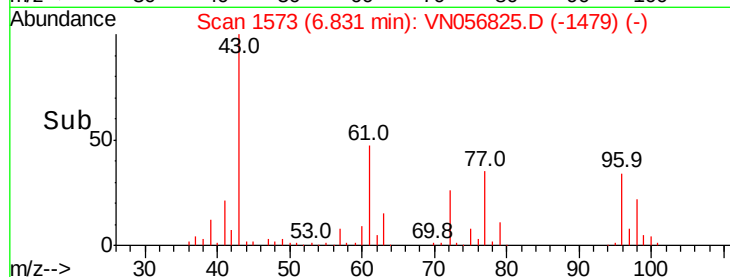
Abundance Ion 95.90 (95.60 to 96.60): VN056700.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN056700.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN056700.D (-1550) (-)

6.83

Time-->



#28

Bromochloromethane

Concen: 17.255 ug/l

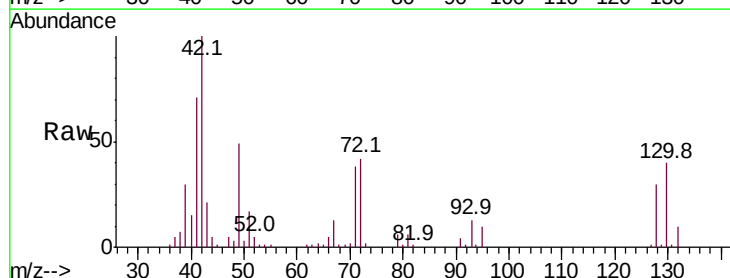
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Tgt Ion:	49	Resp:	45502
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	83.3	64.7	97.1



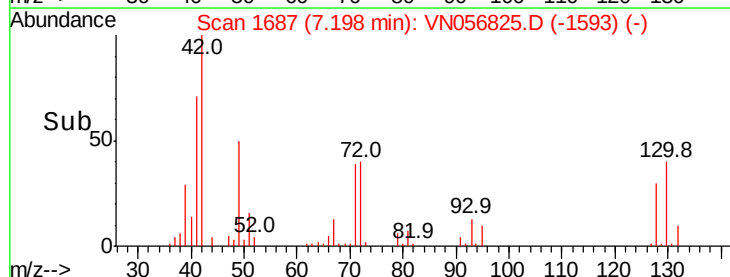
Abundance Ion 48.90 (48.60 to 49.60): VN056700.D (-1665) (-)

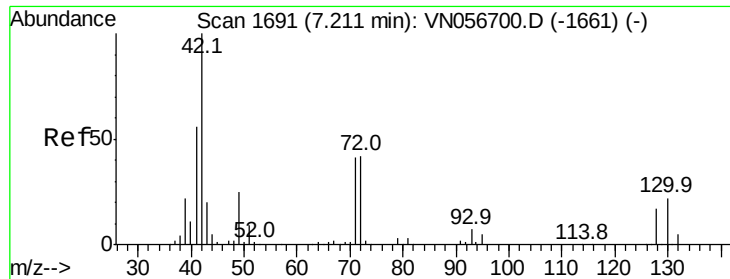
Ion 128.80 (128.50 to 129.50): VN056700.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN056700.D (-1665) (-)

7.20

Time-->





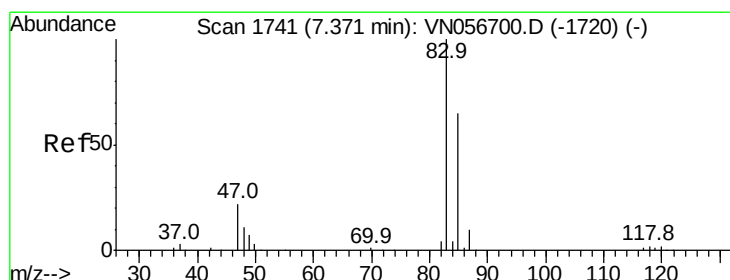
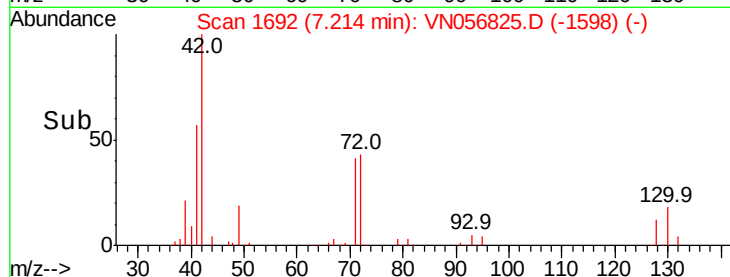
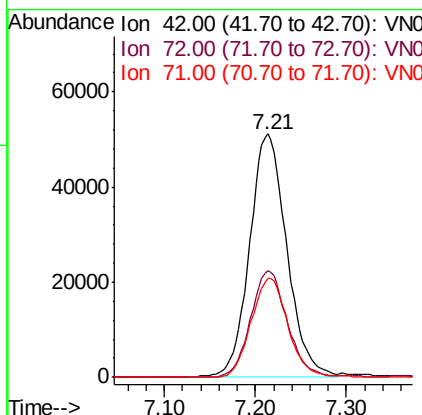
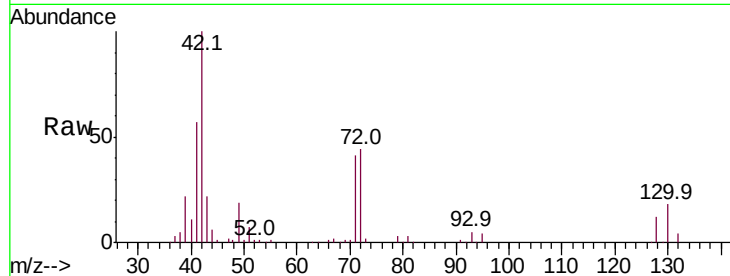
#29
Tetrahydrofuran
Concen: 99.192 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.5	50.3
71	40.4	31.8	47.8

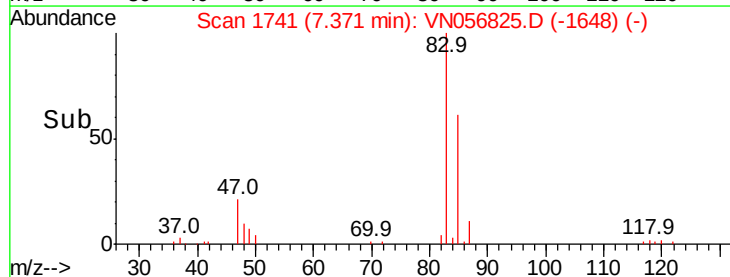
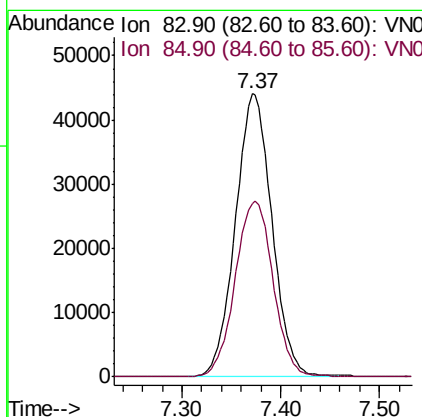
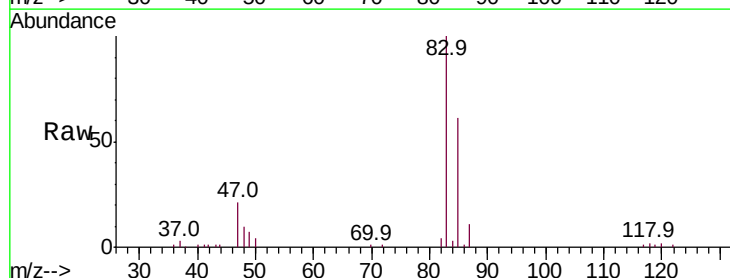
Manual Integrations
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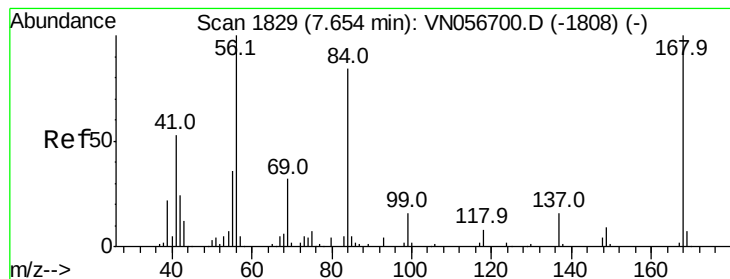
MMDadoda
7/23/2019 4:32:34 AM



#30
Chloroform
Concen: 20.225 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.9	77.9





#31

Cyclohexane

Concen: 19.400 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 56 Resp: 103419

Ion Ratio Lower Upper

56 100

69 37.6 25.8 38.8

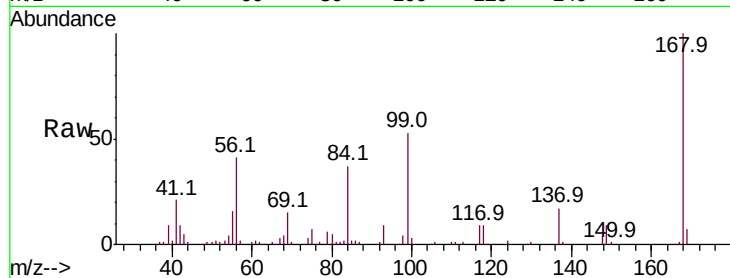
84 89.4 67.4 101.0

Manual Integrations

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MMDadoda

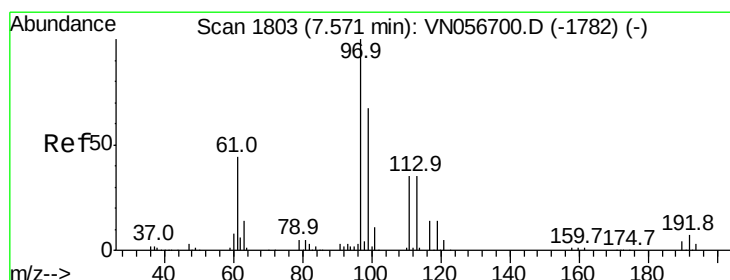
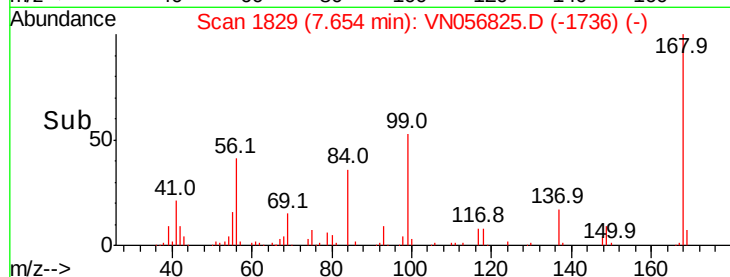
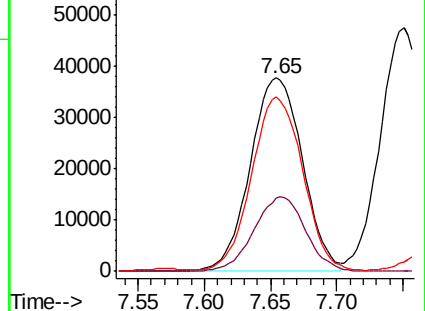
7/23/2019 4:32:34 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.097 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

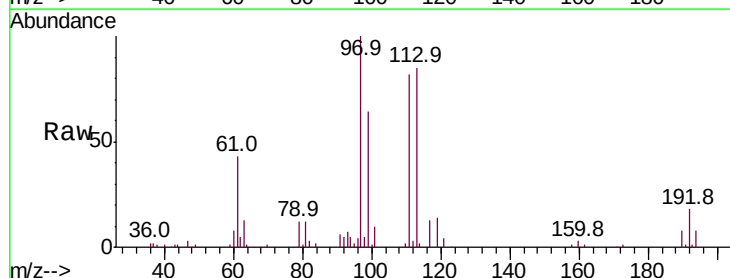
Tgt Ion: 97 Resp: 89205

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

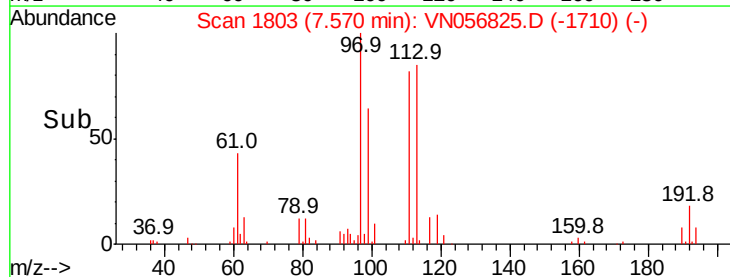
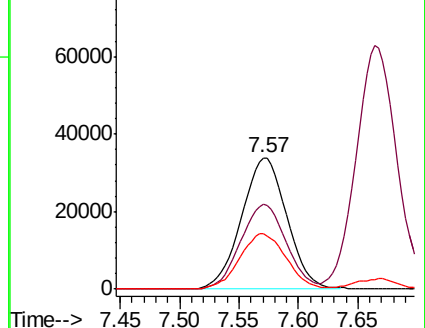
61 43.3 34.3 51.5

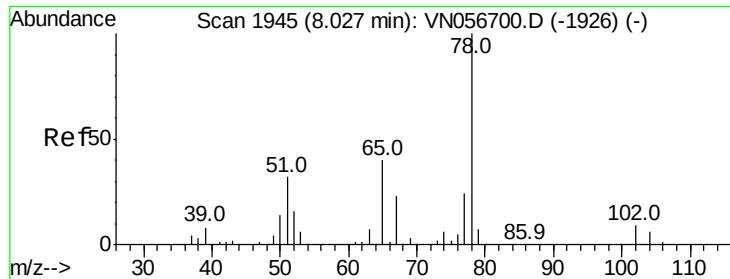


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





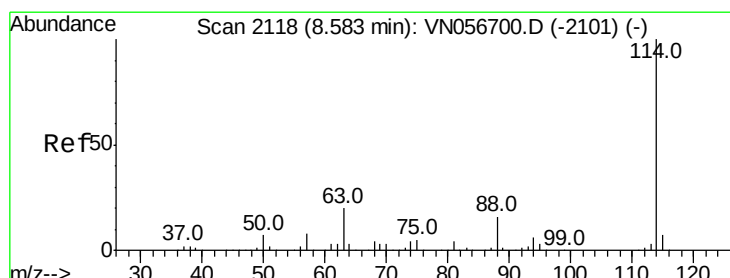
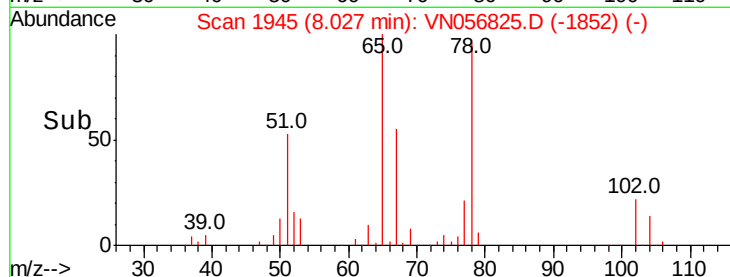
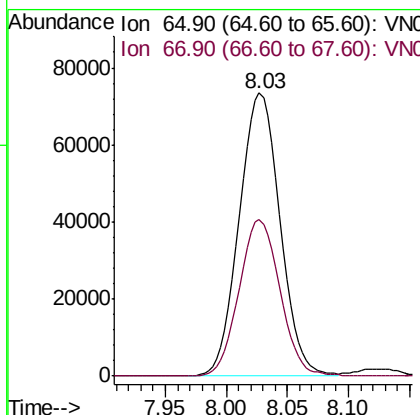
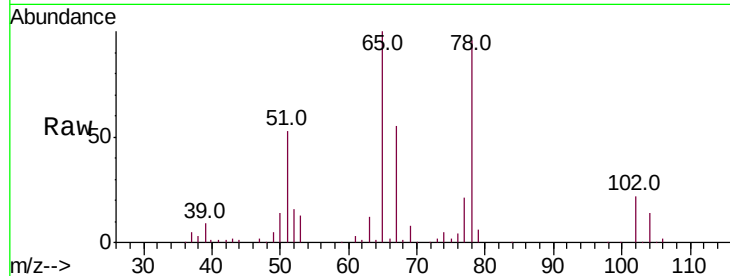
#33
 1,2-Dichloroethane-d4
 Concen: 51.069 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	170299		
67	55.4	0.0	109.0	

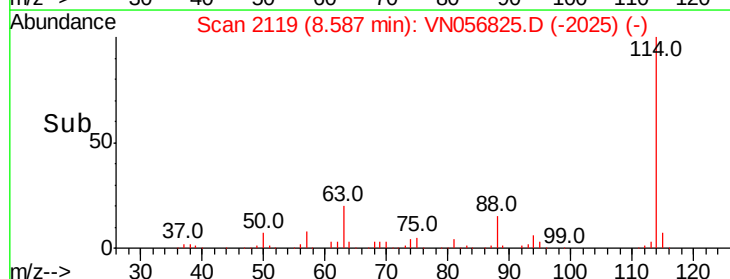
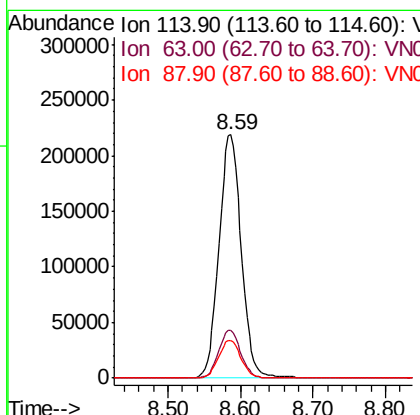
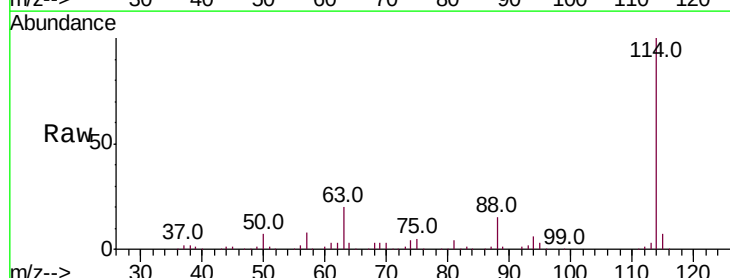
Manual Integrations
 APPROVED

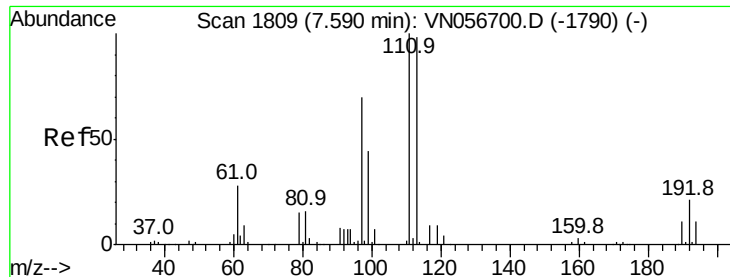
MMDadoda
 7/23/2019 4:32:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466627		
63	19.8	0.0	39.4	
88	15.5	0.0	31.2	





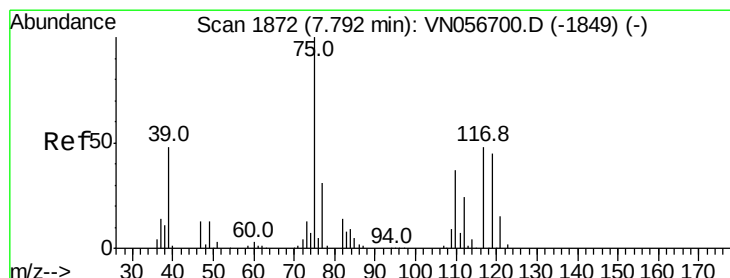
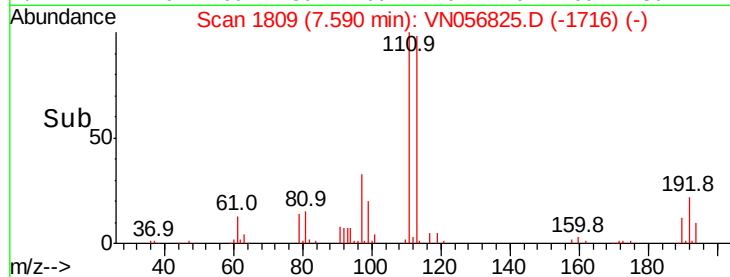
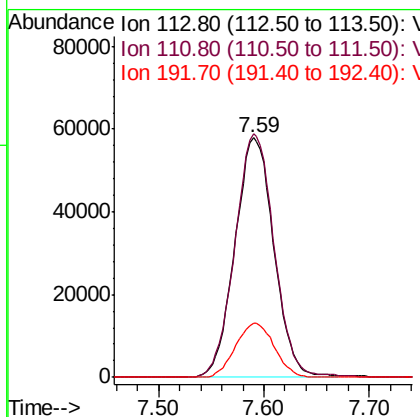
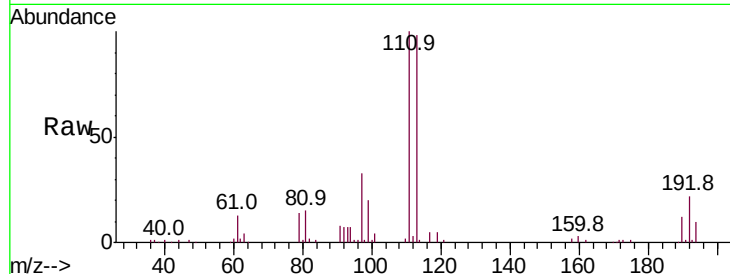
#35
 Dibromofluoromethane
 Concen: 51.194 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	81.8	122.6	
192	22.4	17.5	26.3	

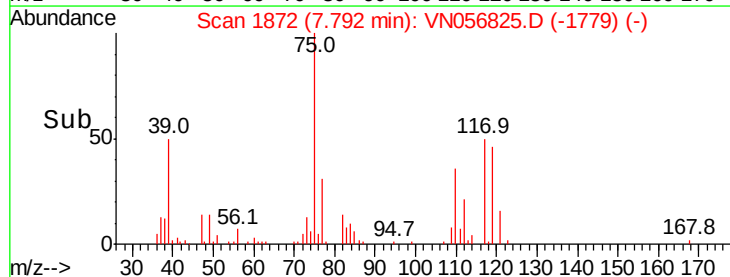
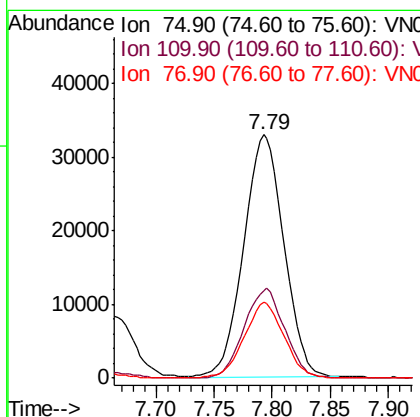
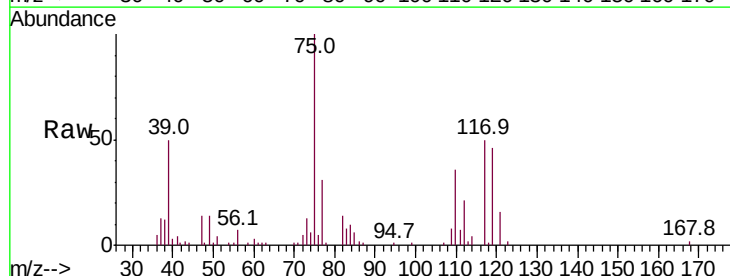
Manual Integrations
 APPROVED

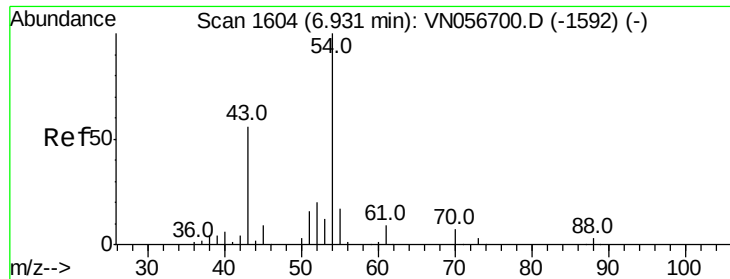
MMDadoda
 7/23/2019 4:32:34 AM



#36
 1,1-Dichloropropene
 Concen: 18.359 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	18.4	55.4	
77	31.1	24.6	36.8	





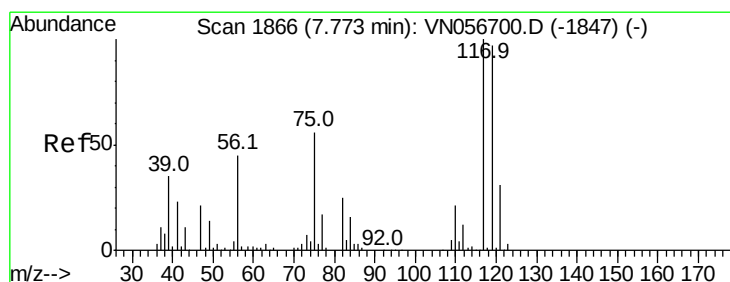
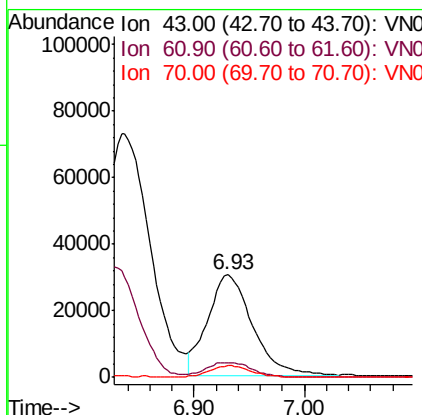
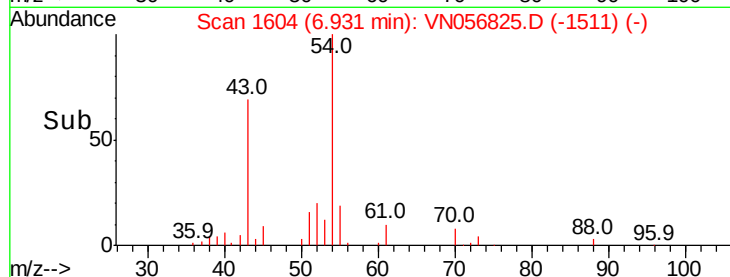
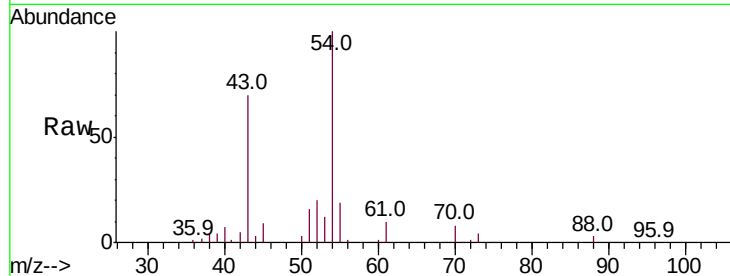
#37
Ethyl Acetate
Concen: 20.001 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.3	16.9
70	10.7	8.5	12.7

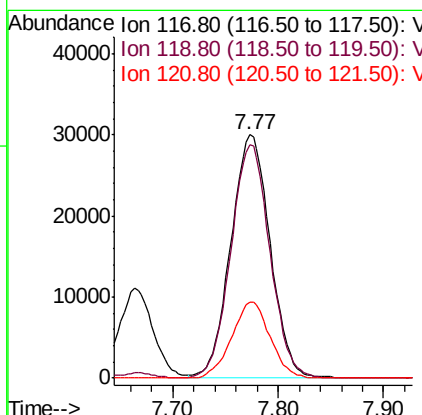
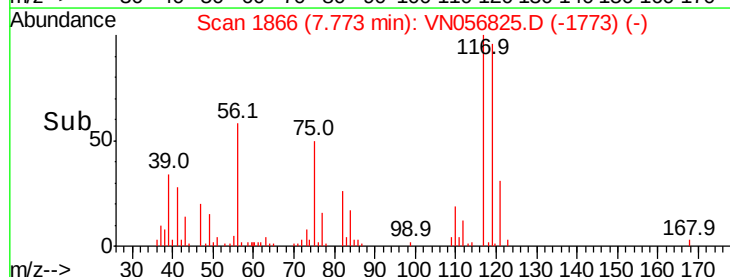
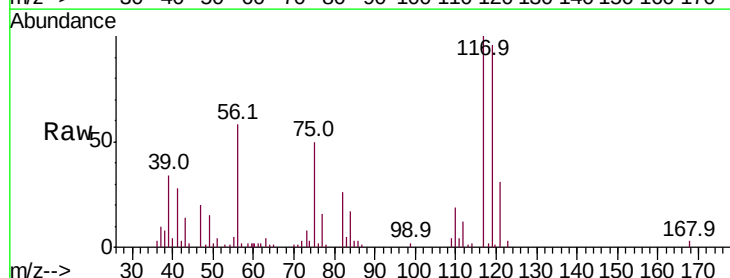
Manual Integrations
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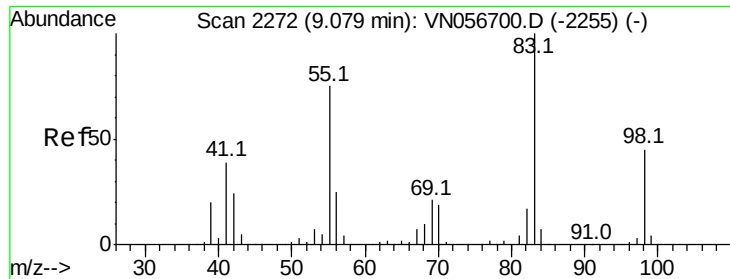
MMDadoda
7/23/2019 4:32:34 AM



#38
Carbon Tetrachloride
Concen: 19.208 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.5	116.3
121	31.3	24.7	37.1





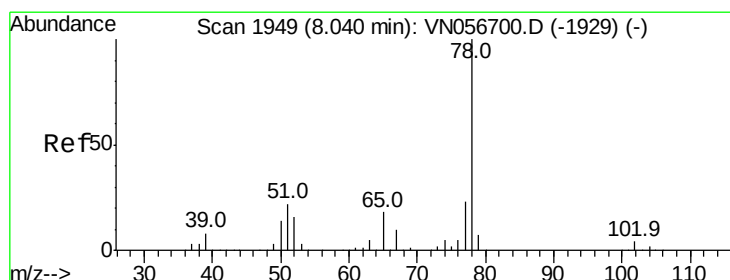
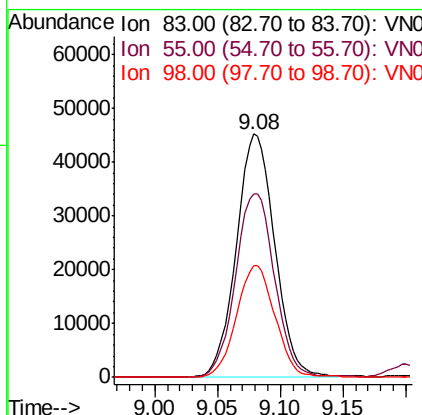
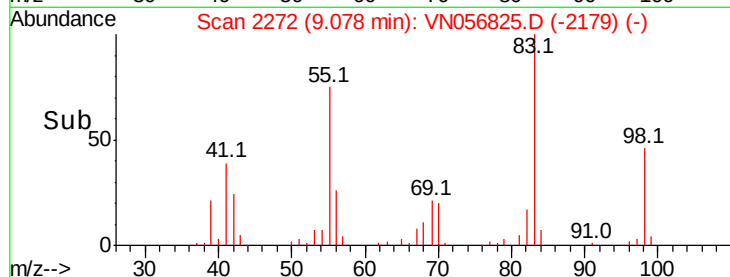
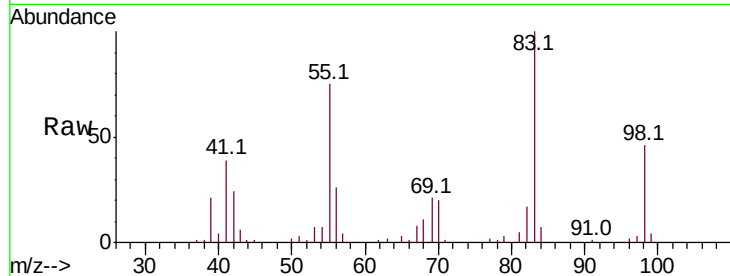
#39
Methylvlcyclohexane
Concen: 18.097 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	83	Resp	96486
Ion Ratio	100	Lower	Upper
83	100		
55	75.4	60.4	90.6
98	45.7	35.8	53.8

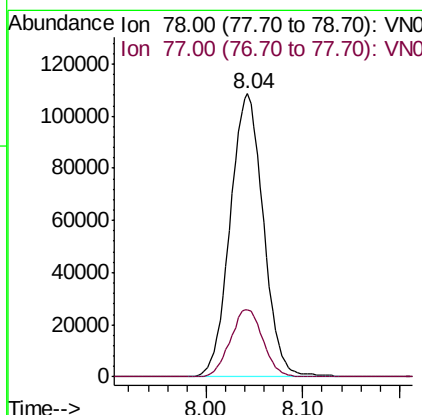
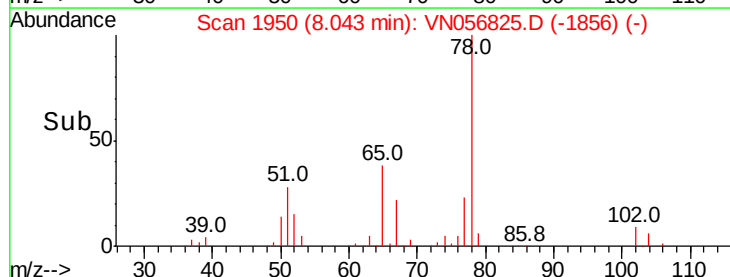
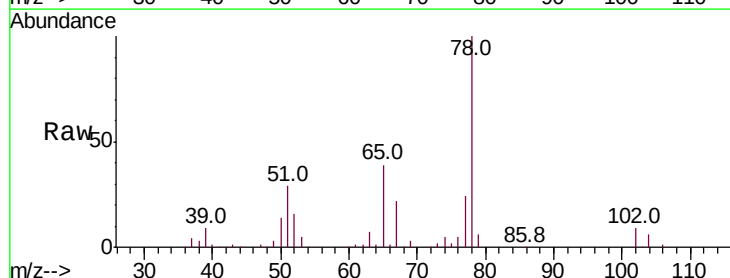
Manual Integrations
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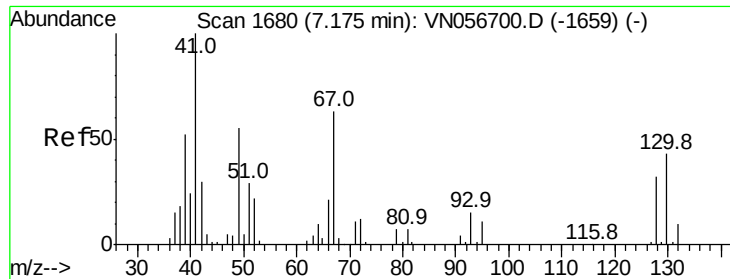
MMDadoda
7/23/2019 4:32:34 AM



#40
Benzene
Concen: 19.554 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	78	Resp	258709
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.6	27.8





#41

Methacrylonitrile

Concen: 19.810 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 41 Resp: 37032

Ion Ratio Lower Upper

41 100

39 62.2 0.0 0.0#

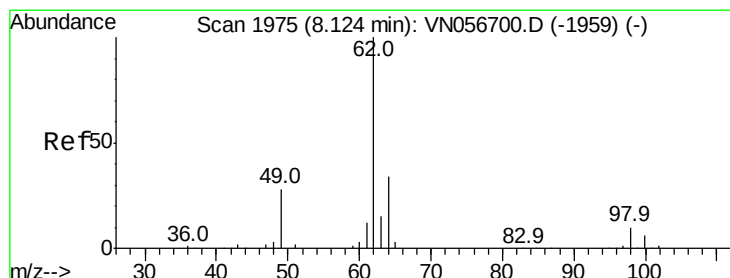
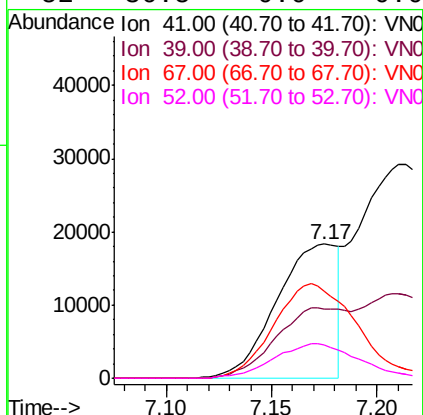
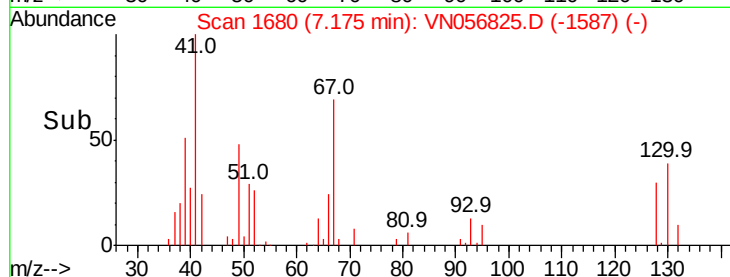
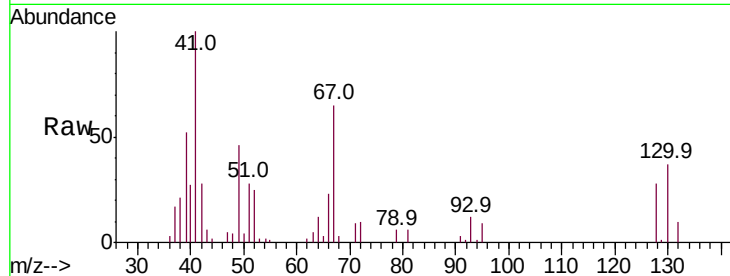
67 96.7 0.0 0.0#

52 36.5 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

7/23/2019 4:32:34 AM



#42

1,2-Dichloroethane

Concen: 19.801 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN056825.D

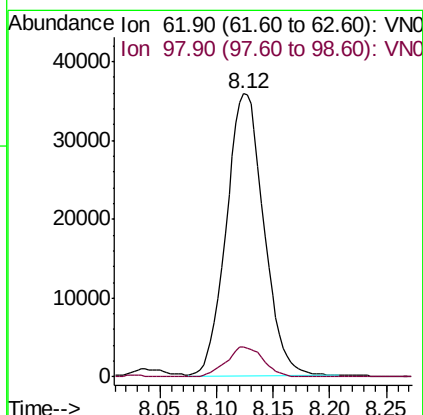
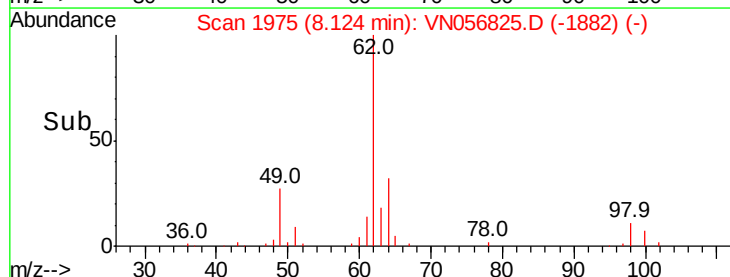
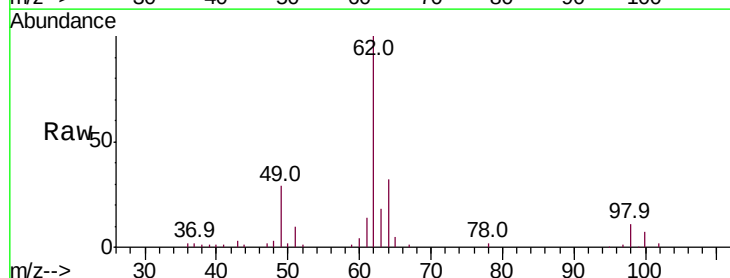
Acq: 19 Jul 2019 12:35

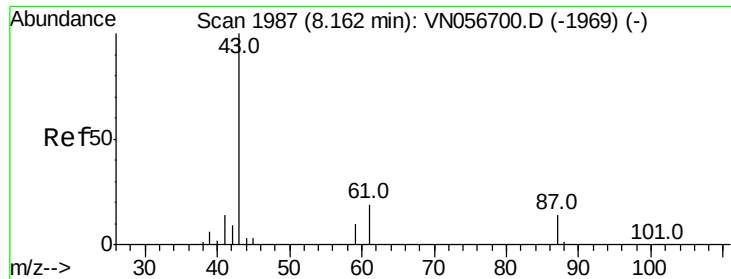
Tgt Ion: 62 Resp: 82796

Ion Ratio Lower Upper

62 100

98 10.4 0.0 19.8





#43

Isopropyl Acetate

Concen: 19.624 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

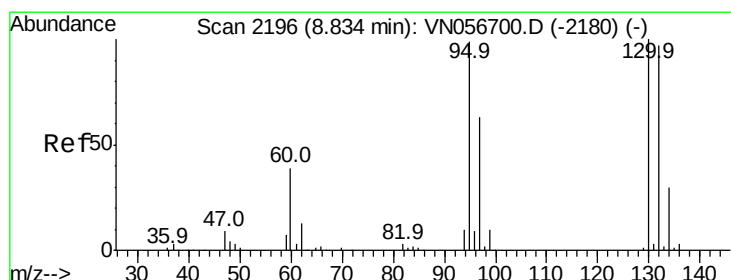
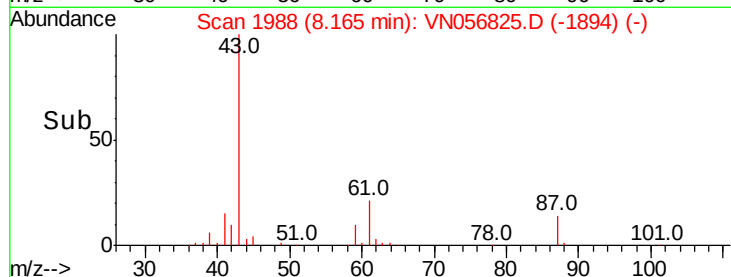
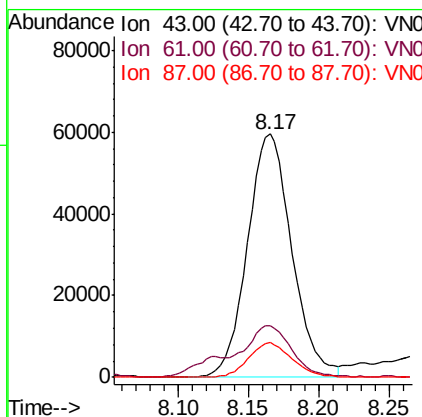
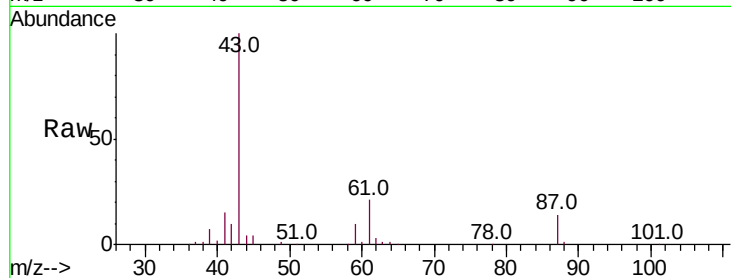
ClientSampleId :

VN0719WBS01

Tot Ion:	43	Resp:	131291
Ion Ratio	Lower	Upper	
43	100		
61	21.0	22.3	33.5#
87	13.9	11.1	16.7

Manual Integrations
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MMDadoda
7/23/2019 4:32:34 AM



#44

Trichloroethene

Concen: 19.371 ug/l

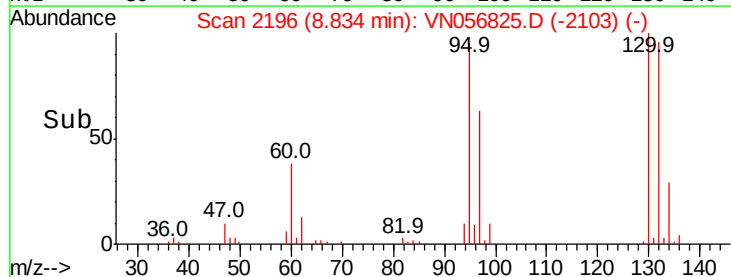
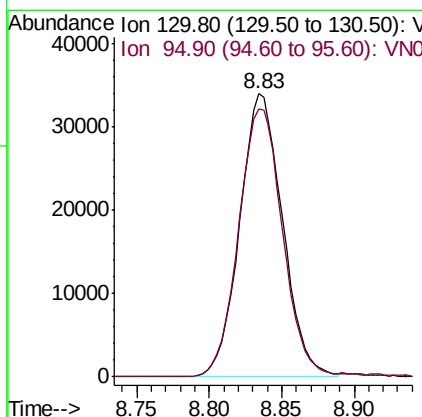
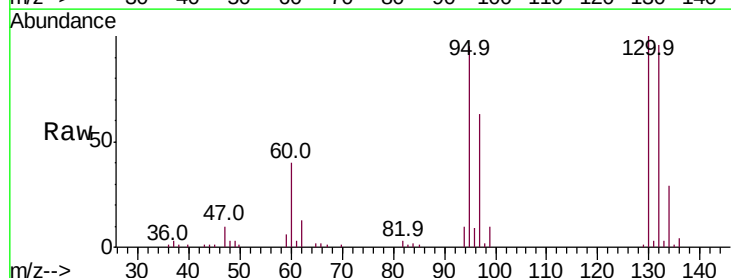
RT: 8.83 min Scan# 2196

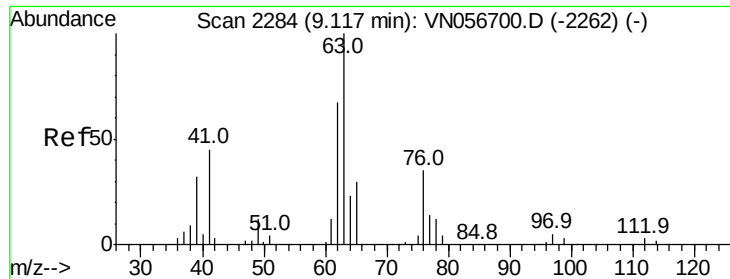
Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Tgt Ion:	130	Resp:	69598
Ion Ratio	Lower	Upper	
130	100		
95	94.8	0.0	197.2





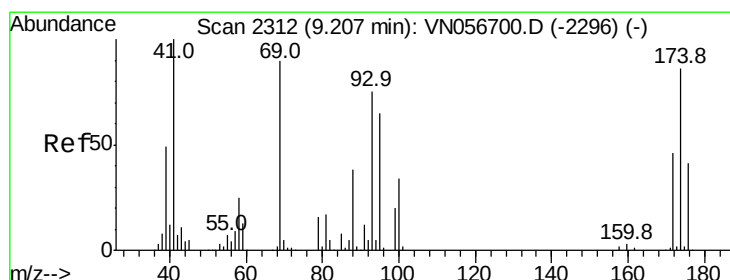
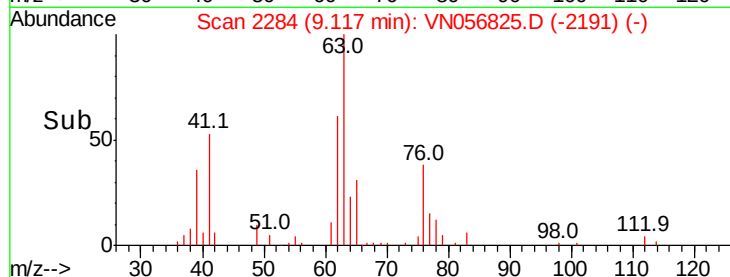
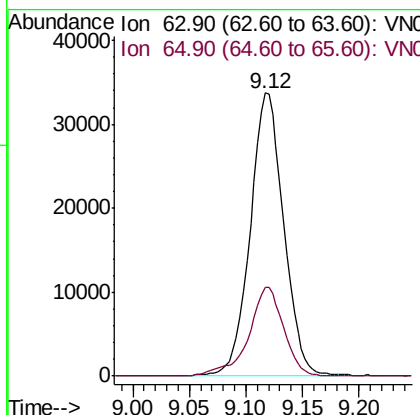
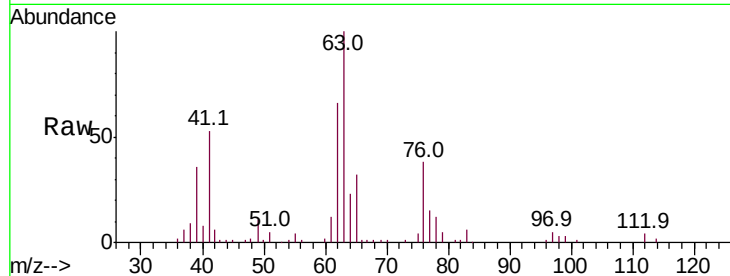
#45
 1,2-Dichloropropane
 Concen: 19.759 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion: 63 Resp: 69463
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.0 36.0

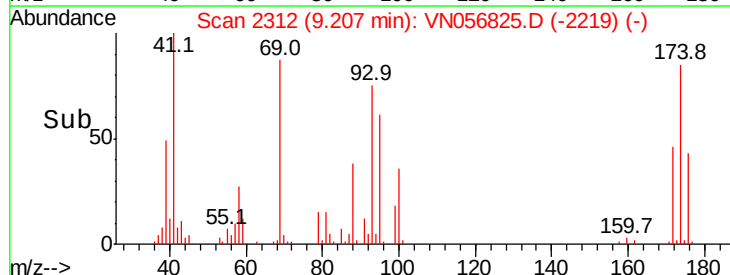
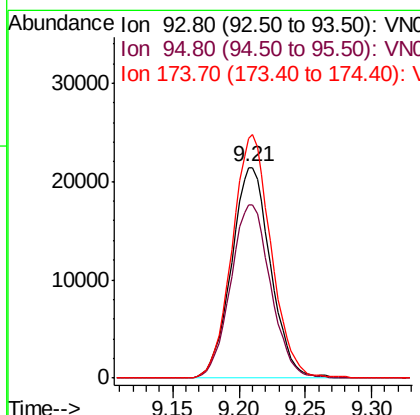
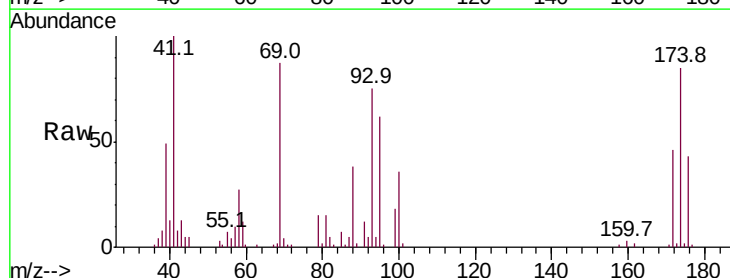
Manual Integrations
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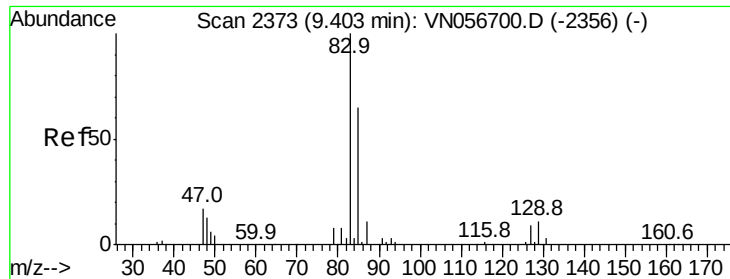
MMDadoda
 7/23/2019 4:32:34 AM



#46
 Dibromomethane
 Concen: 20.104 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion: 93 Resp: 43798
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.4 101.0
 174 115.1 90.3 135.5





#47

Bromodichloromethane

Concen: 20.070 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

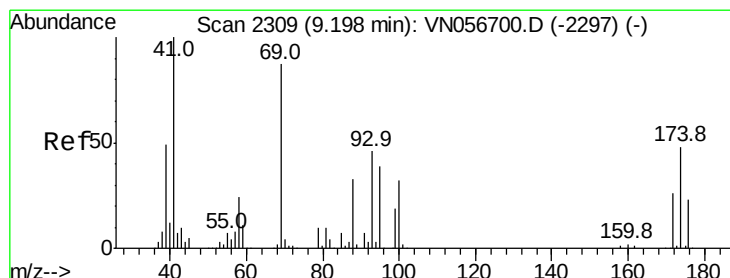
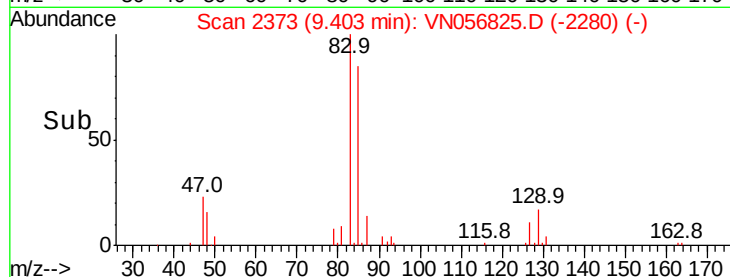
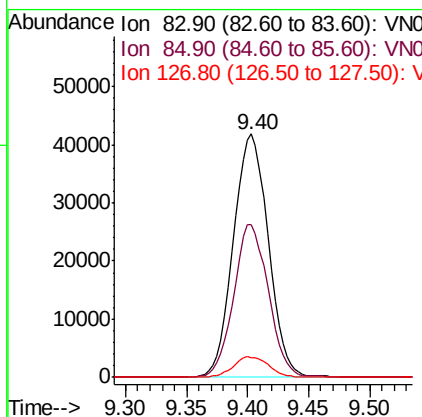
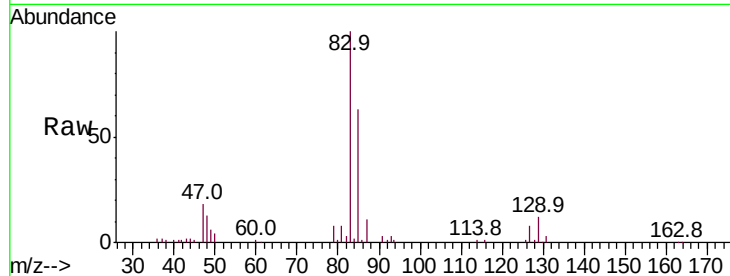
ClientSampleId :

VN0719WBS01

Tot Ion:	83	Resp:	83087
Ion Ratio	Lower	Upper	
83	100		
85	62.8	52.3	78.5
127	8.2	7.6	11.4

Manual Integrations
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MMDadoda
7/23/2019 4:32:34 AM



#48

Methyl methacrylate

Concen: 19.862 ug/l

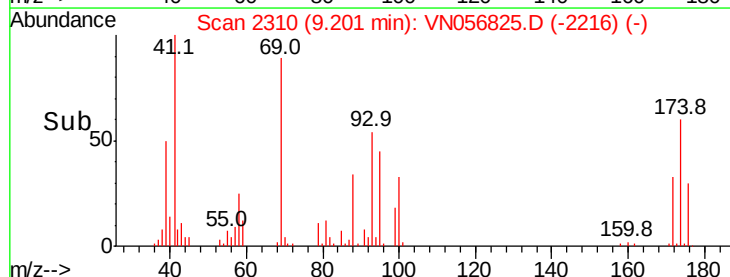
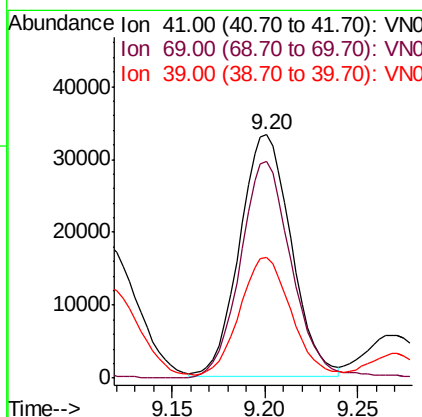
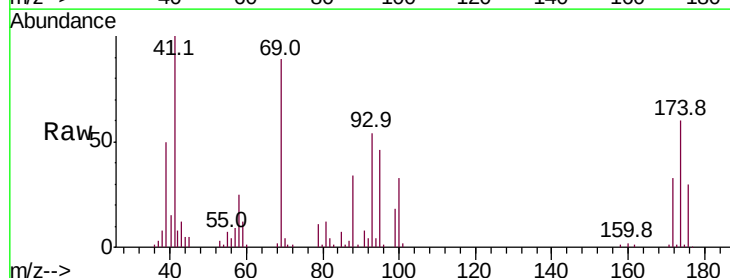
RT: 9.20 min Scan# 2310

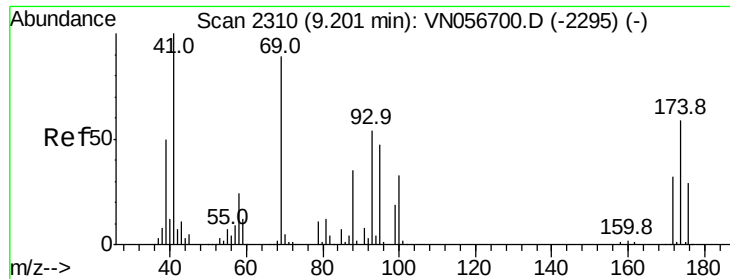
Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Tgt Ion:	41	Resp:	64267
Ion Ratio	Lower	Upper	
41	100		
69	89.5	71.4	107.0
39	50.9	41.2	61.8





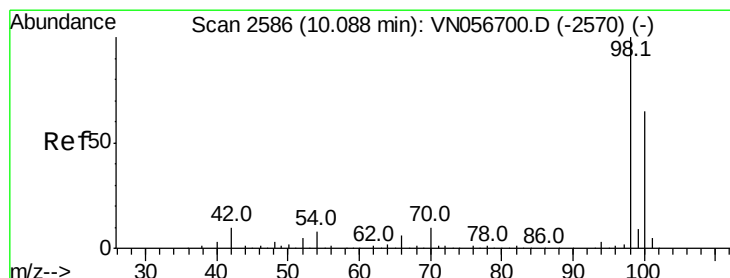
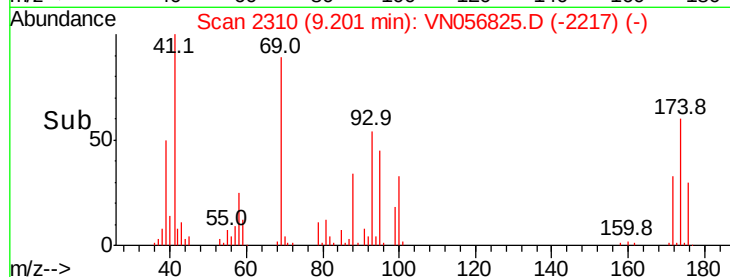
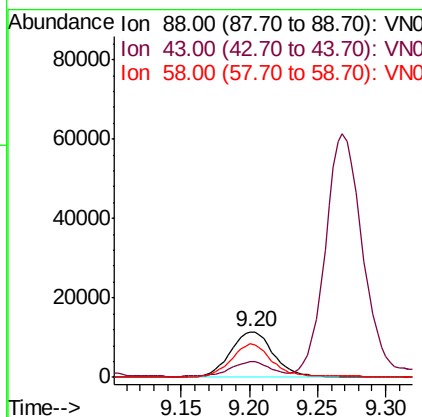
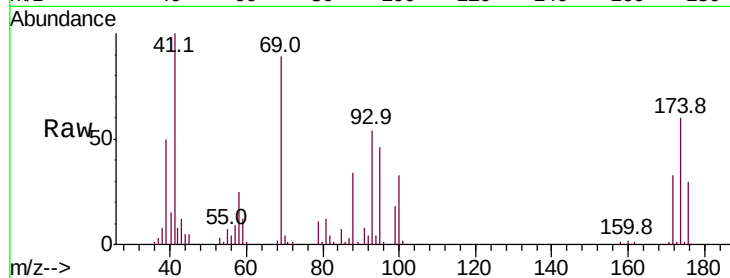
#49
 1,4-Dioxane
 Concen: 381.859 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	23.7	35.5
58	68.6	55.6	83.4

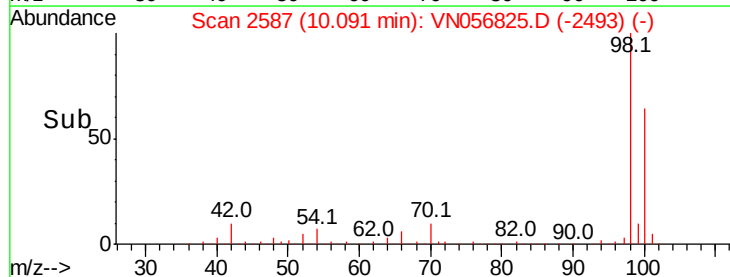
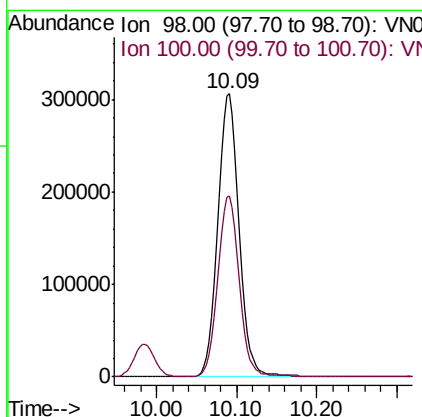
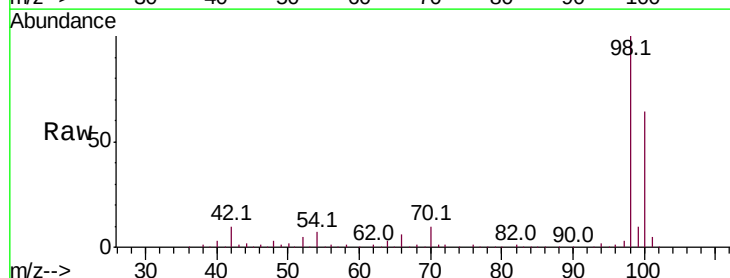
Manual Integrations
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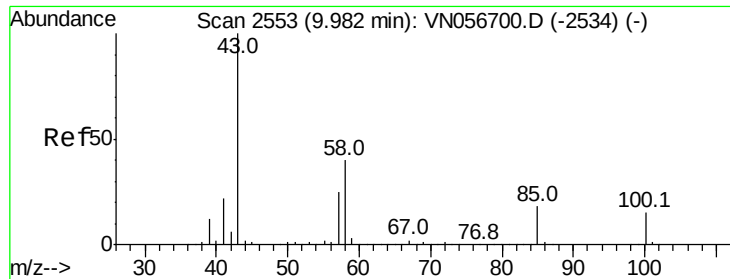
MMDadoda
 7/23/2019 4:32:34 AM



#50
 Toluene-d8
 Concen: 50.525 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





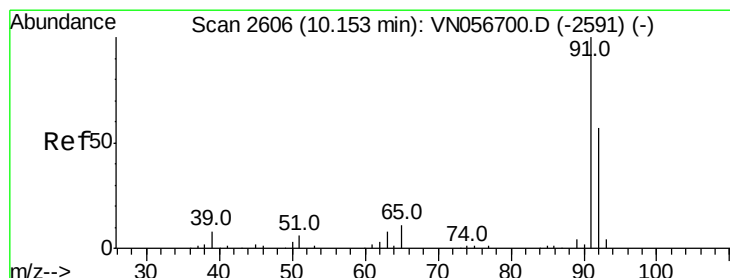
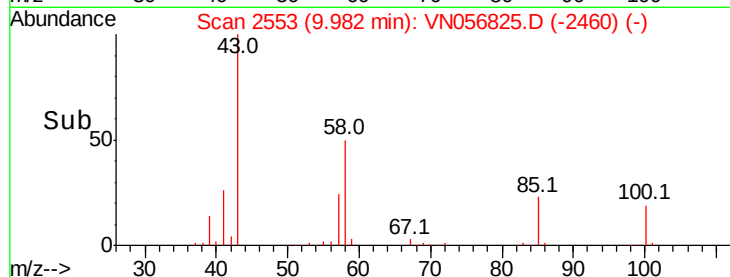
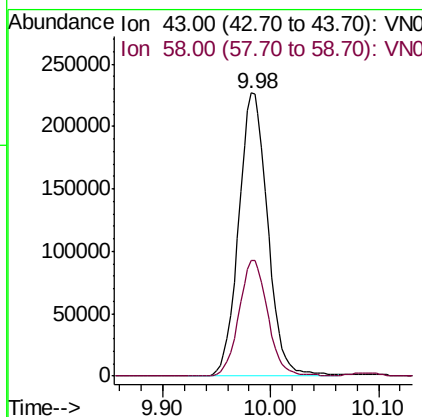
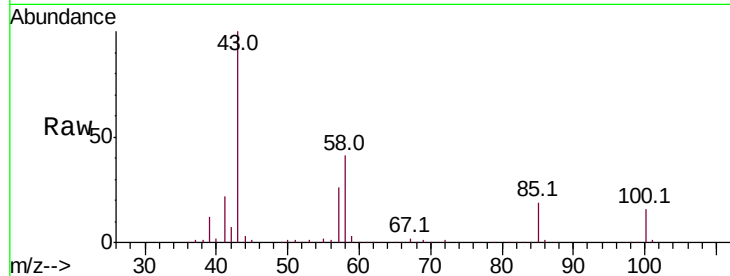
#51
 4-Methyl-2-Pentanone
 Concen: 97.854 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS01

Tot Ion	43	58	Ratio	100	40.6	Resp	424031	Lower	32.0	Upper	48.0
Ion	43	58	Ratio	100	40.6	Resp	424031	Lower	32.0	Upper	48.0

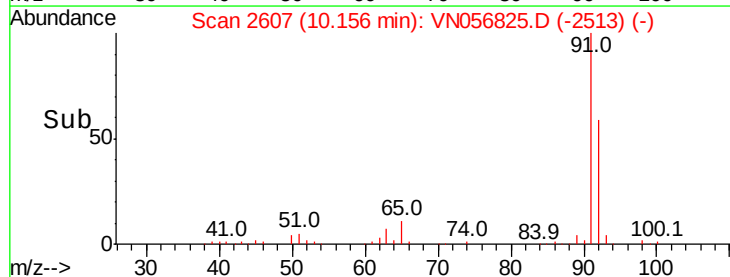
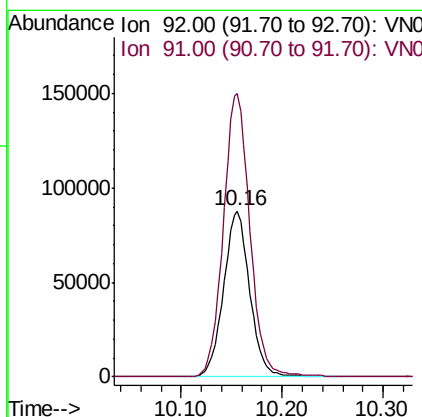
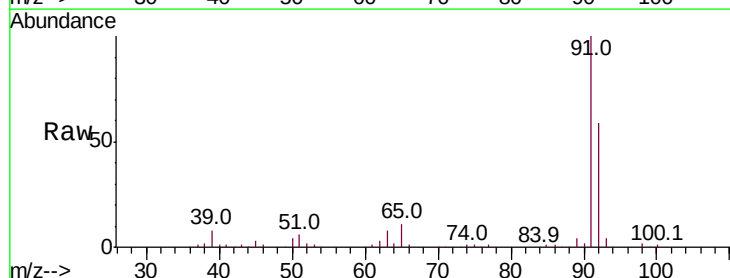
Manual Integrations
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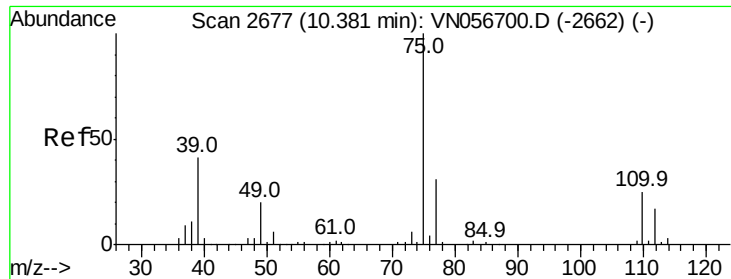
MMDadoda
 7/23/2019 4:32:34 AM



#52
 Toluene
 Concen: 20.264 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	92	91	Ratio	100	173.5	Resp	159221	Lower	139.9	Upper	209.9
Ion	92	91	Ratio	100	173.5	Resp	159221	Lower	139.9	Upper	209.9





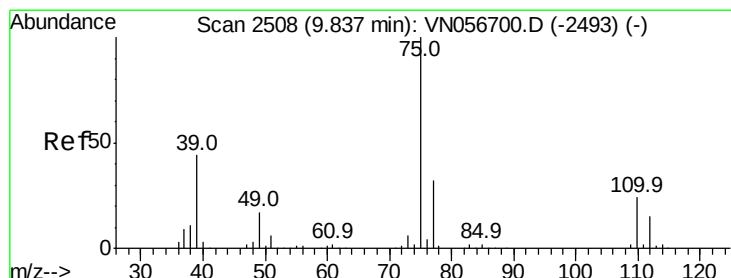
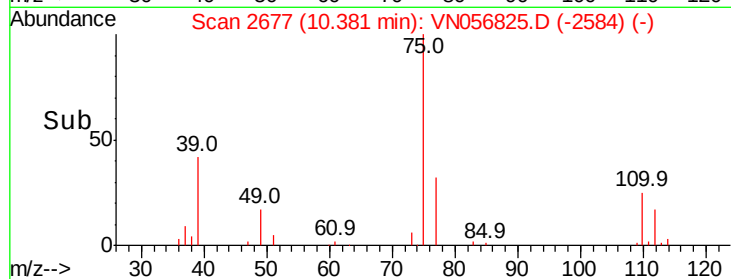
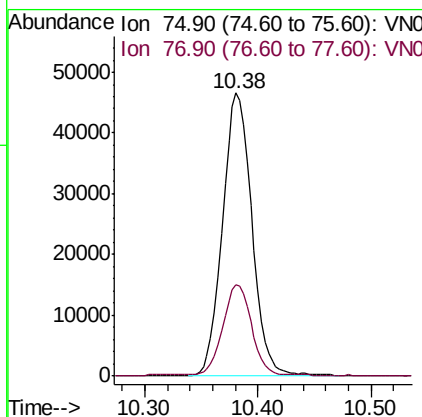
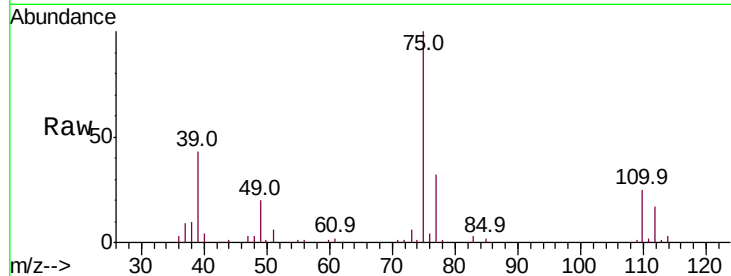
#53
t-1,3-Dichloropropene
Concen: 19.556 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion: 75 Resp: 84469
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.6

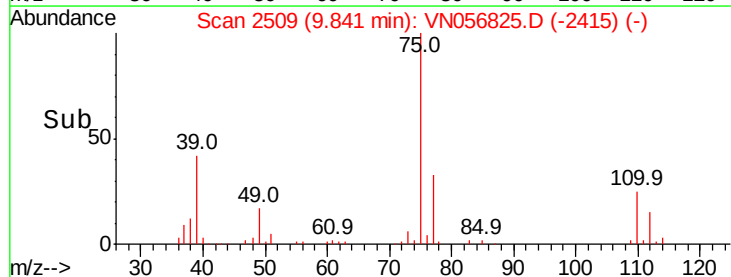
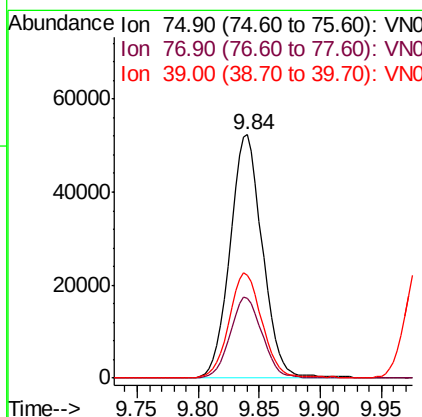
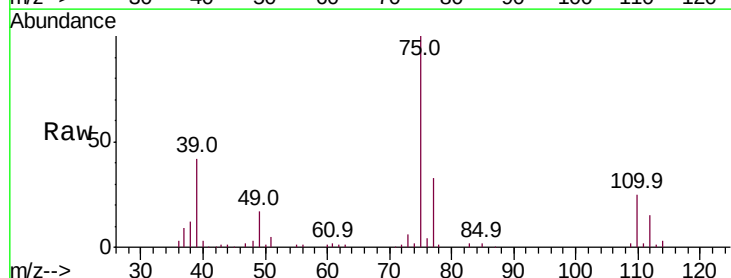
Manual Integrations
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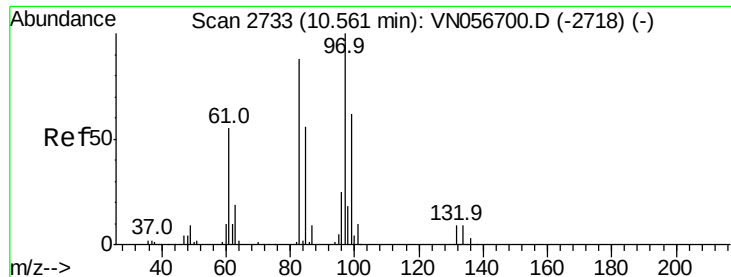
MMDadoda
7/23/2019 4:32:34 AM



#54
cis-1,3-Dichloropropene
Concen: 19.293 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion: 75 Resp: 96698
Ion Ratio Lower Upper
75 100
77 32.9 26.0 39.0
39 42.5 35.1 52.7





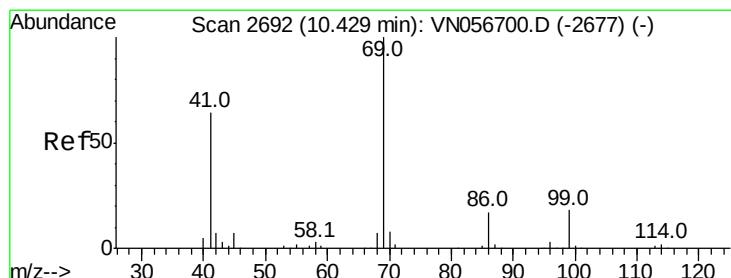
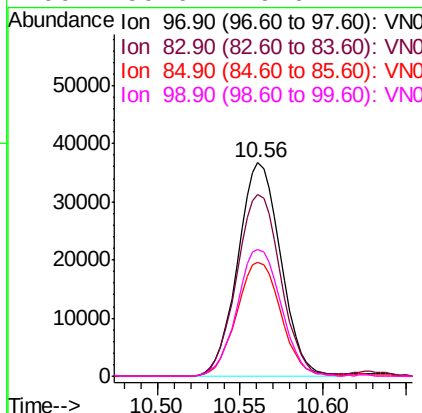
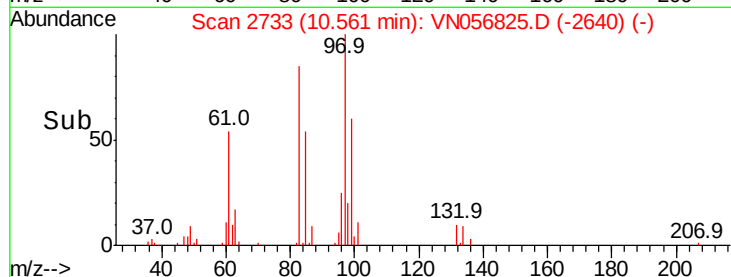
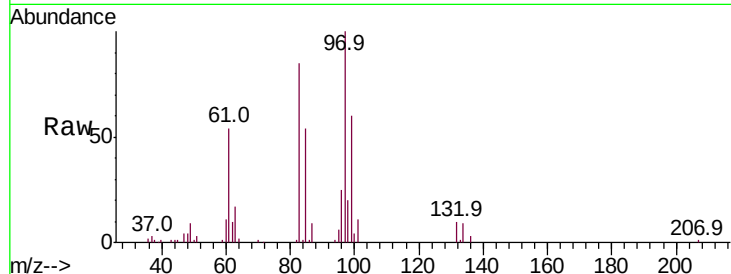
#55
 1,1,2-Trichloroethane
 Concen: 20.053 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0719WBS01

Tot Ion:	97	Resp:	66086
Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.3	105.5
85	53.6	44.8	67.2
99	59.6	49.6	74.4

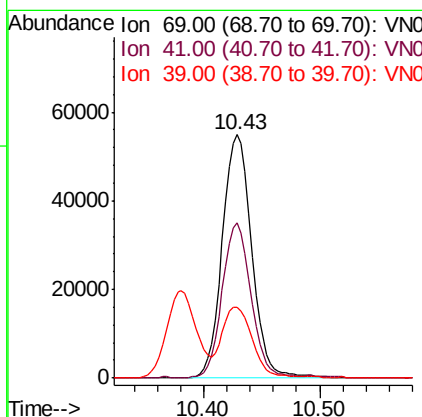
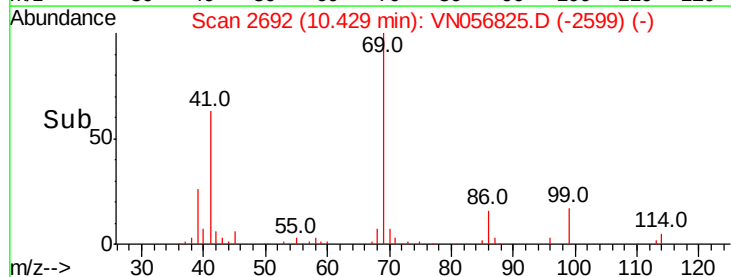
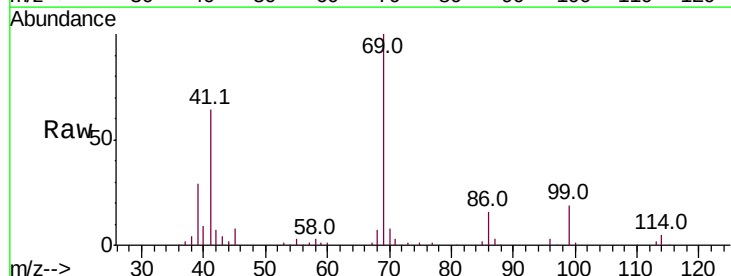
Manual Integrations
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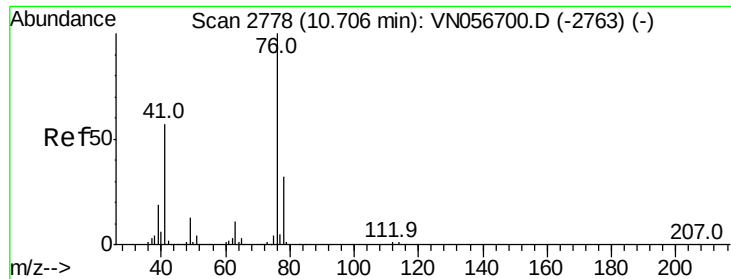
MMDadoda
 7/23/2019 4:32:34 AM



#56
 Ethyl methacrylate
 Concen: 20.402 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion:	69	Resp:	96743
Ion	Ratio	Lower	Upper
69	100		
41	61.3	51.0	76.4
39	30.0	24.6	36.8





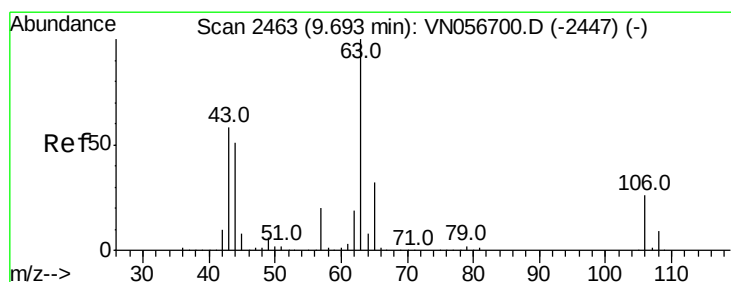
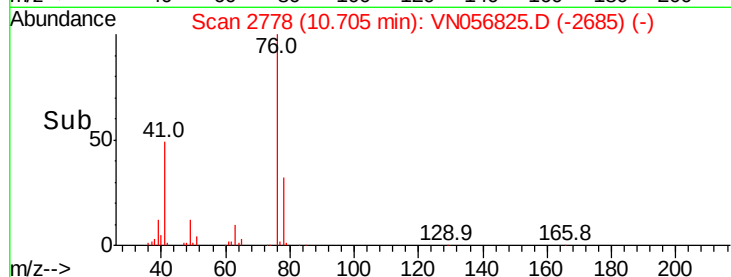
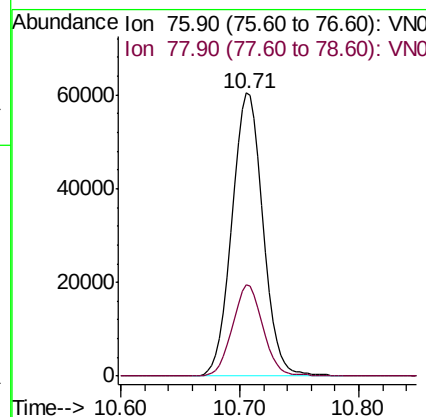
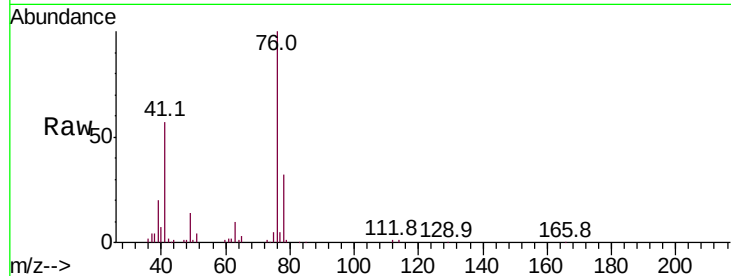
#57
 1,3-Dichloropropane
 Concen: 20.299 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion: 76 Resp: 109263
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.0 39.0

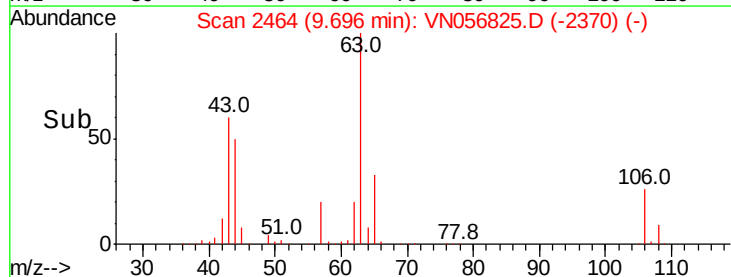
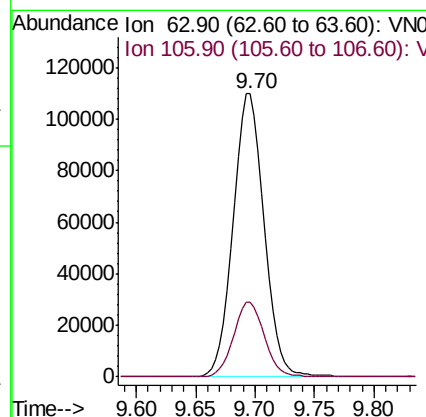
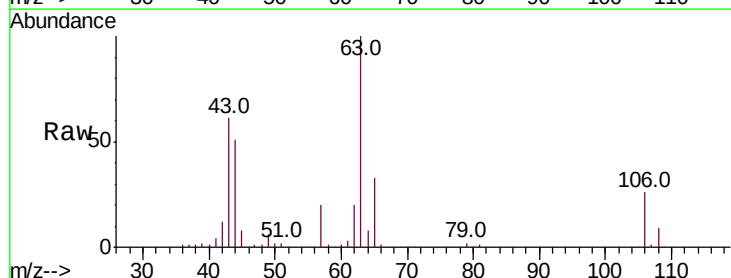
Manual Integrations
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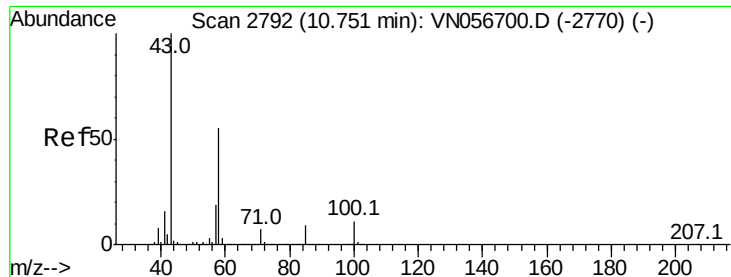
MMDadoda
 7/23/2019 4:32:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.992 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion: 63 Resp: 198366
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.2 31.8





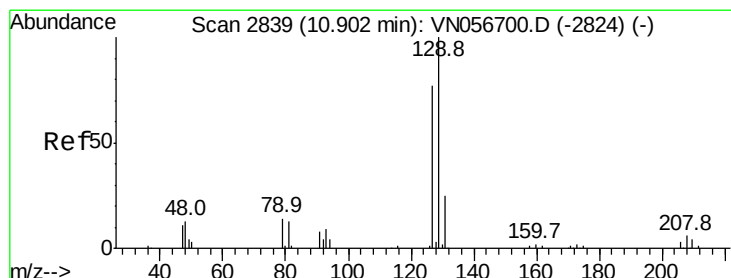
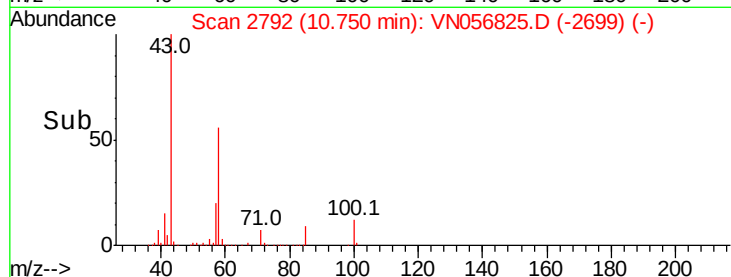
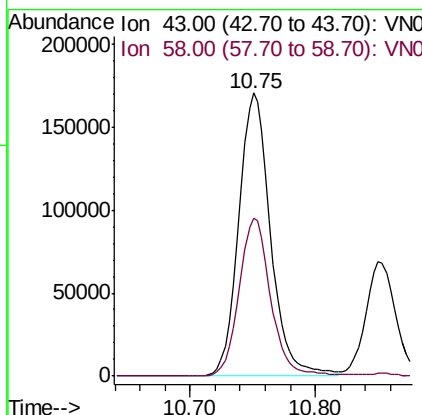
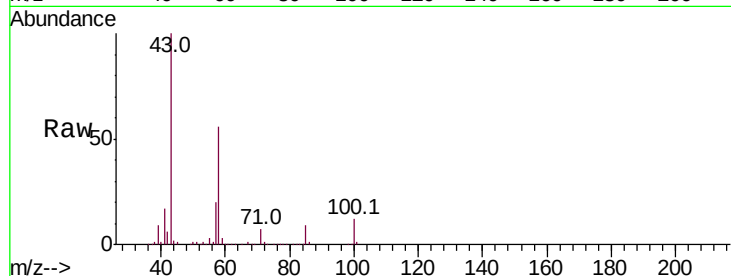
#59
2-Hexanone
Concen: 96.362 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	43	58	Ratio	100	Resp	299619	Lower	Upper
43	100							
58	55.7				27.9	83.6		

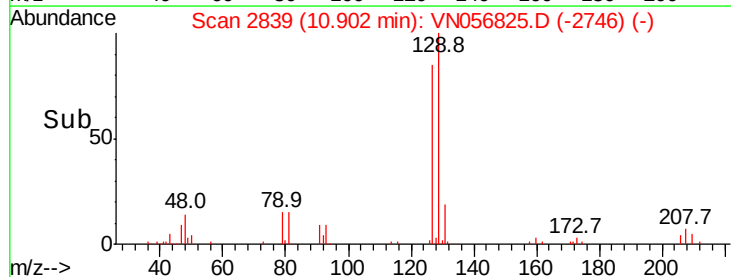
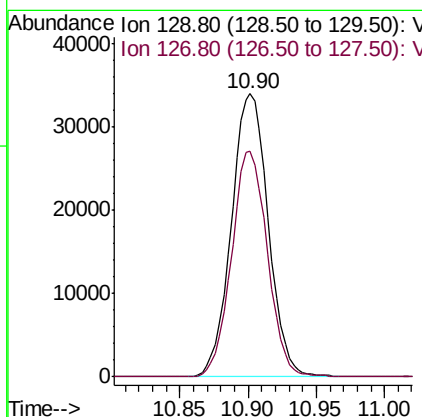
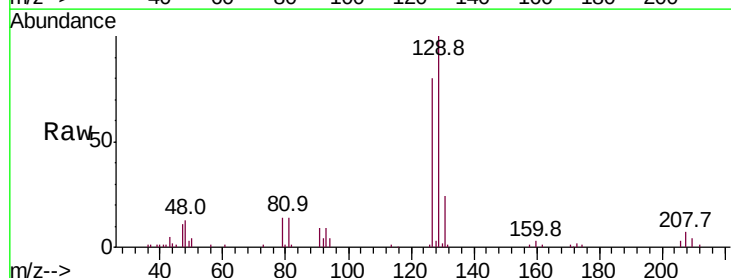
Manual Integrations
APPROVED

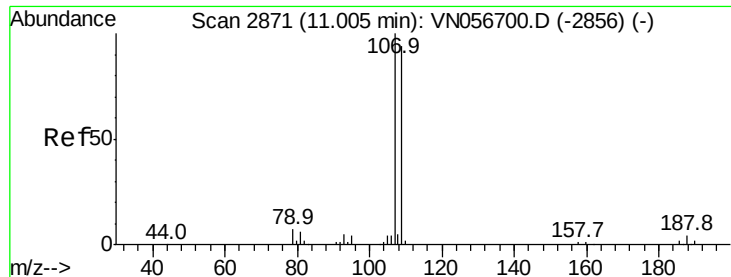
MMDadoda
7/23/2019 4:32:34 AM



#60
Dibromochloromethane
Concen: 19.702 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	129	127	Ratio	100	Resp	63856	Lower	Upper
129	100							
127	77.5				38.2	114.6		





#61

1,2-Dibromoethane

Concen: 20.681 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion:107 Resp: 67735

Ion Ratio Lower Upper

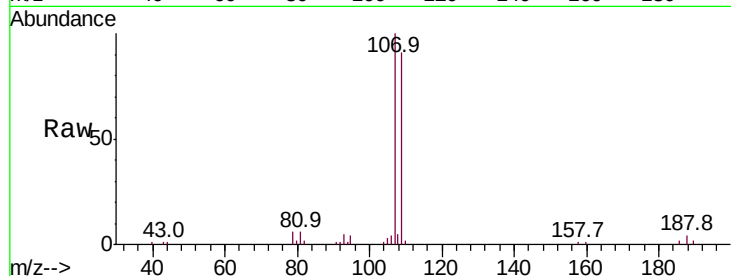
107 100

109 93.3 76.2 114.4

Manual Integrations
APPROVED

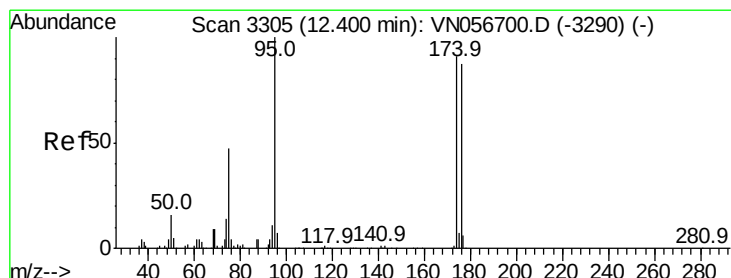
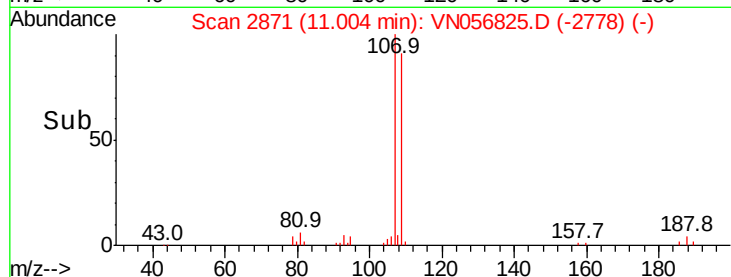
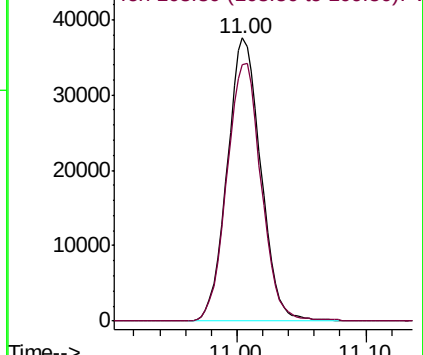
MMDadoda

7/23/2019 4:32:34 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.487 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

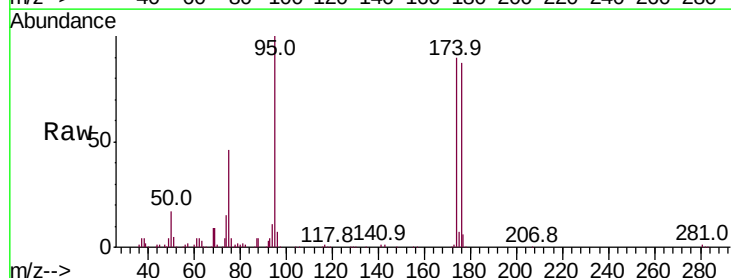
Tgt Ion: 95 Resp: 183391

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.0

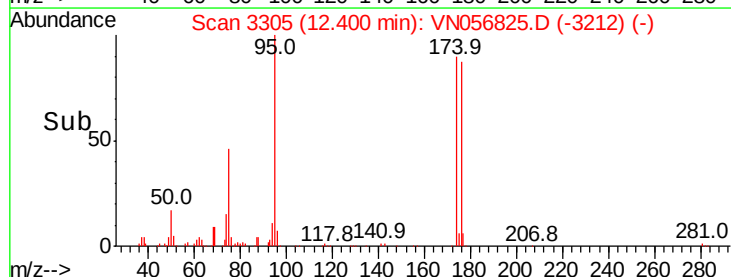
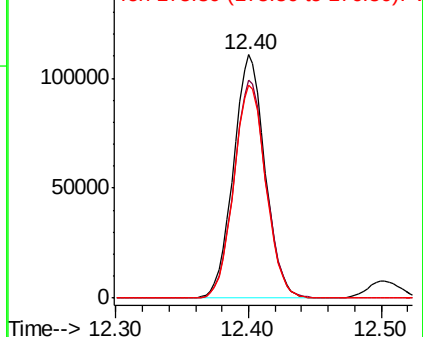
176 88.5 0.0 173.2

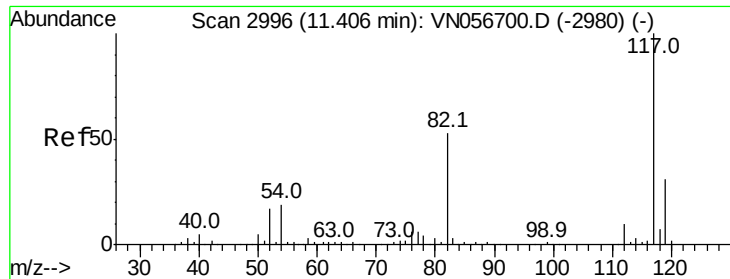


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





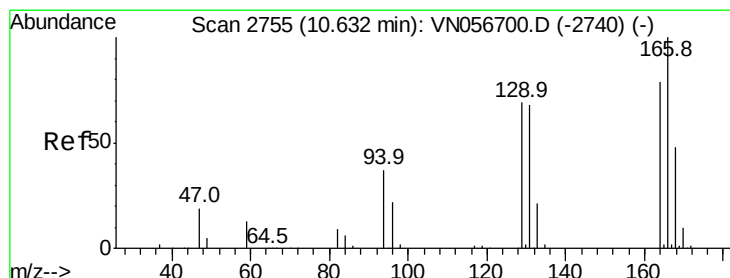
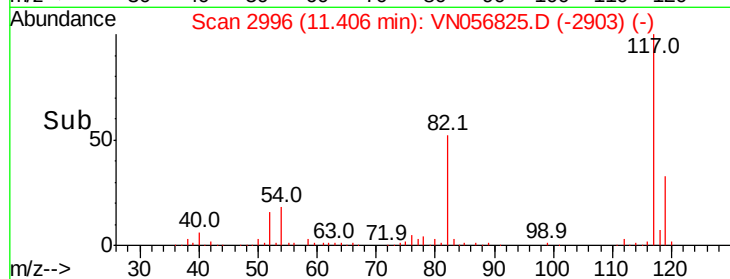
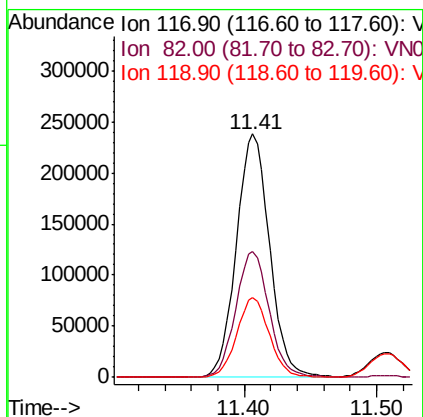
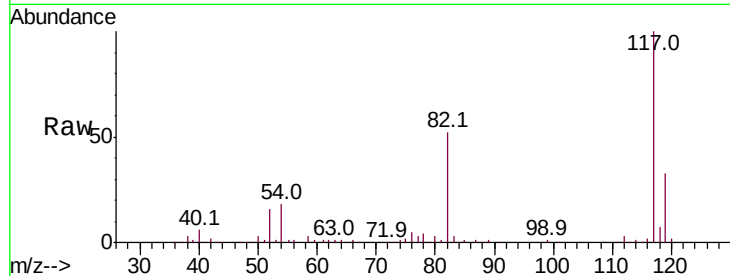
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.2
119	32.8	25.2	37.8

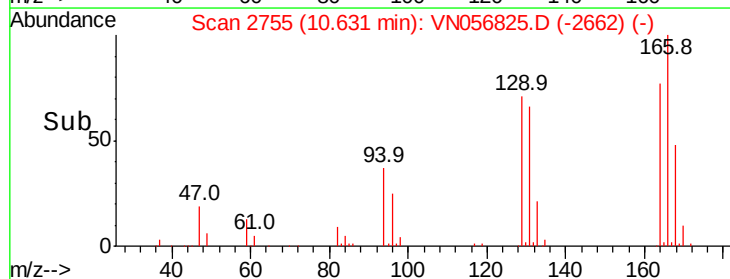
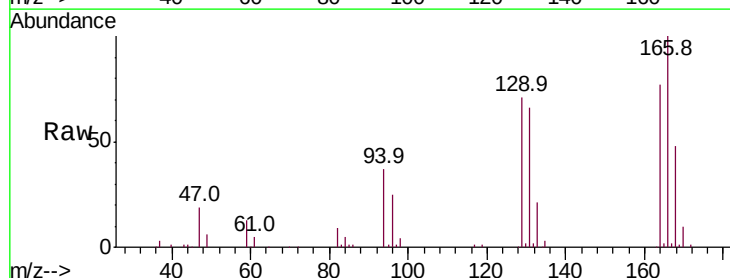
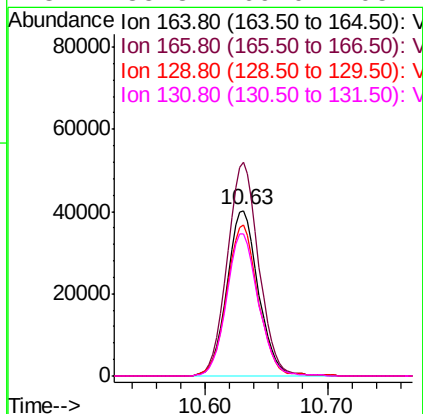
Manual Integrations
APPROVED

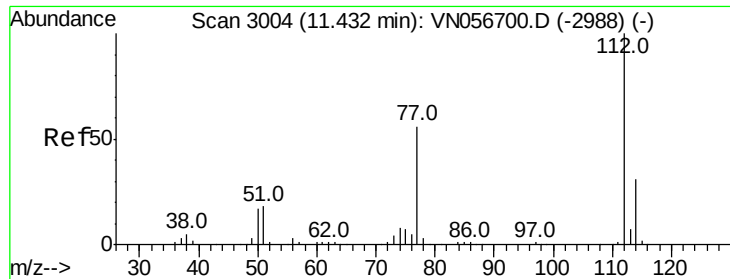
MMDadoda
7/23/2019 4:32:34 AM



#64
Tetrachloroethene
Concen: 20.276 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.4	152.2
129	91.4	69.6	104.4
131	85.8	69.0	103.4





#65

Chlorobenzene

Concen: 20.014 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampled :

VN0719WBS01

Tot Ion:112 Resp: 169689

Ion Ratio Lower Upper

112 100

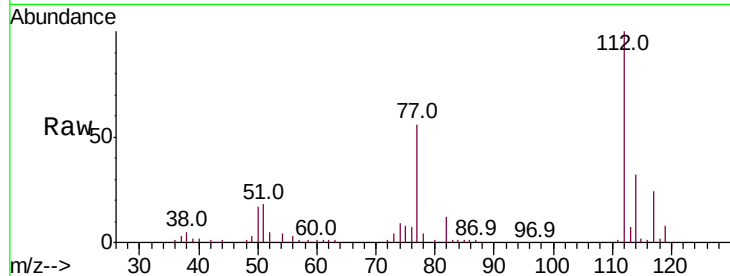
114 32.0 25.2 37.8

Manual Integrations

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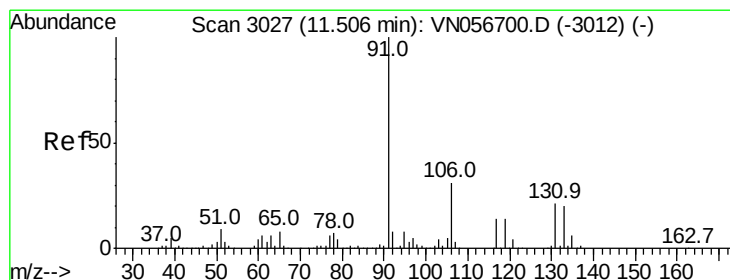
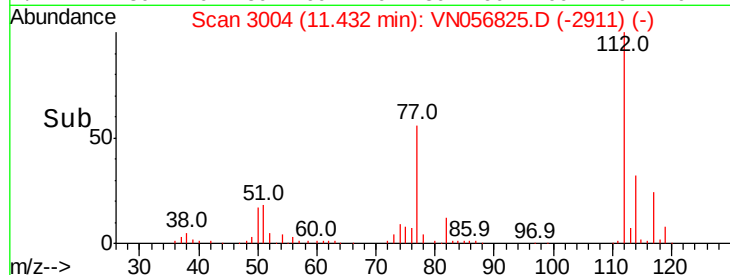
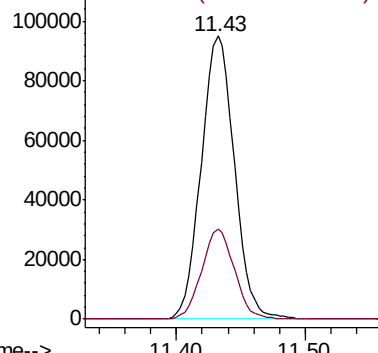
MMDadoda

7/23/2019 4:32:34 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.938 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

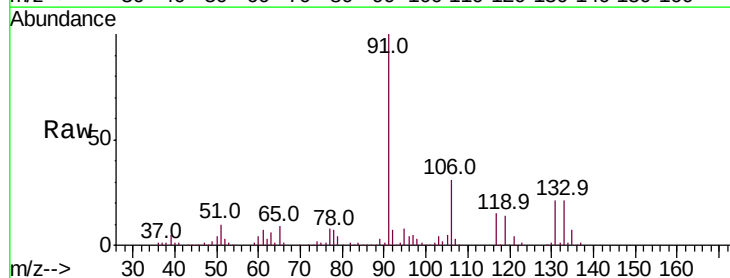
Tgt Ion:131 Resp: 62240

Ion Ratio Lower Upper

131 100

133 96.6 46.9 140.7

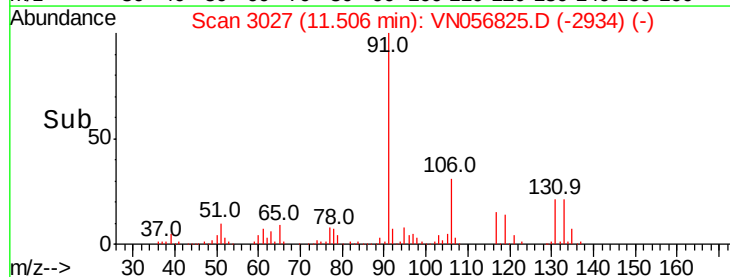
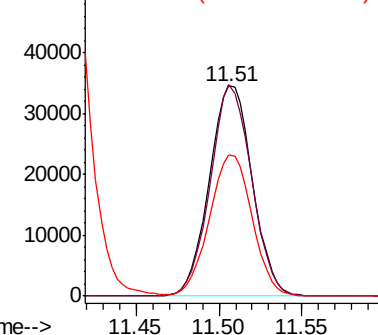
119 67.0 32.8 98.3

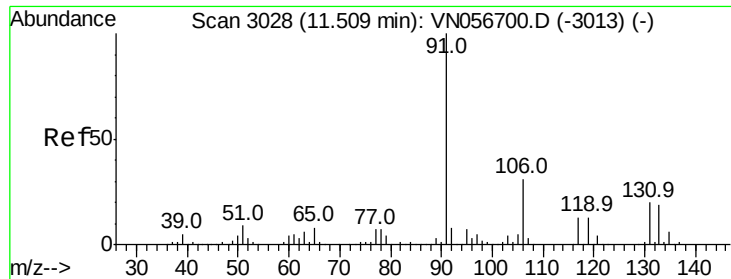


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





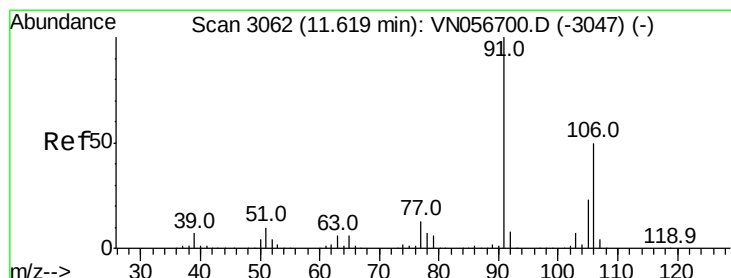
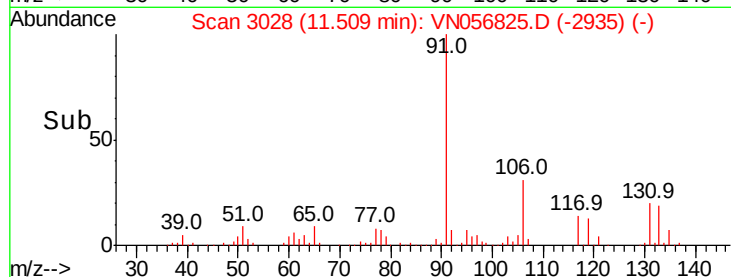
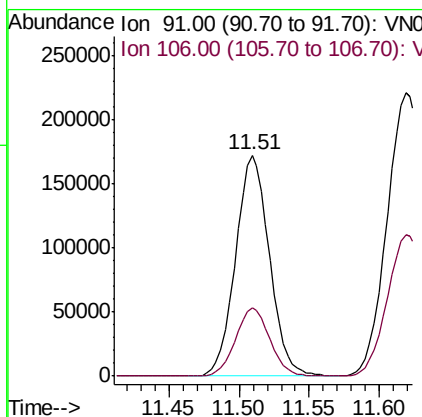
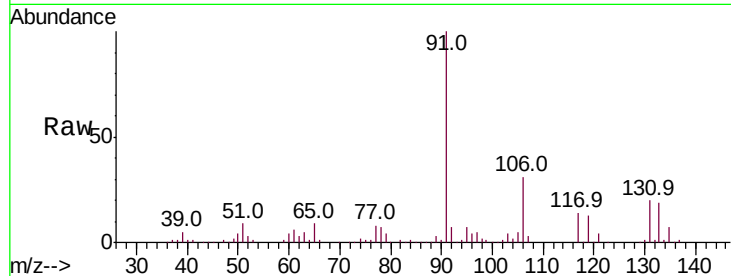
#67
Ethyl Benzene
Concen: 19.484 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampled :
VN0719WBS01

Tot Ion: 91 Resp: 290317
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2

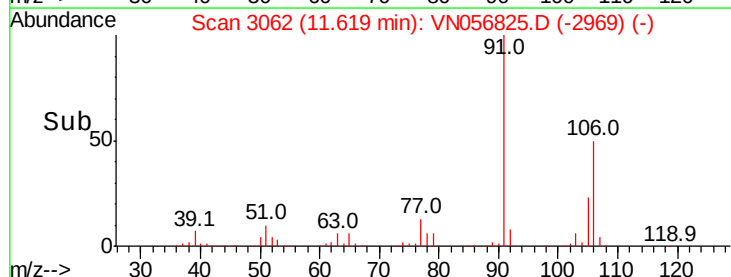
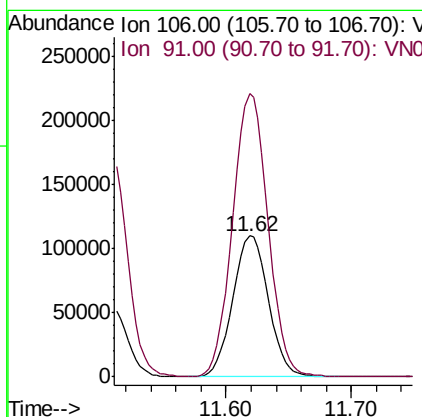
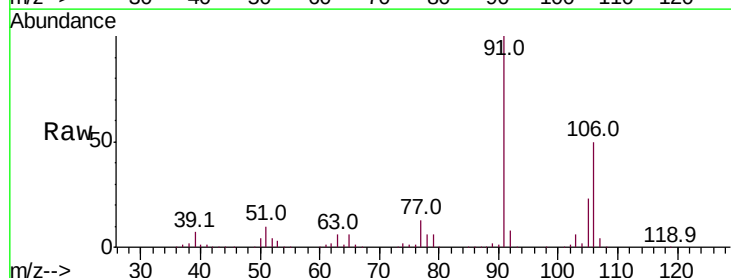
Manual Integrations
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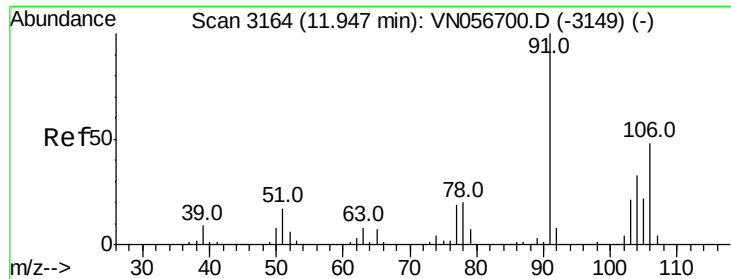
MMDadoda
7/23/2019 4:32:34 AM



#68
m/p-Xylenes
Concen: 39.132 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion: 106 Resp: 217905
Ion Ratio Lower Upper
106 100
91 199.4 160.5 240.7





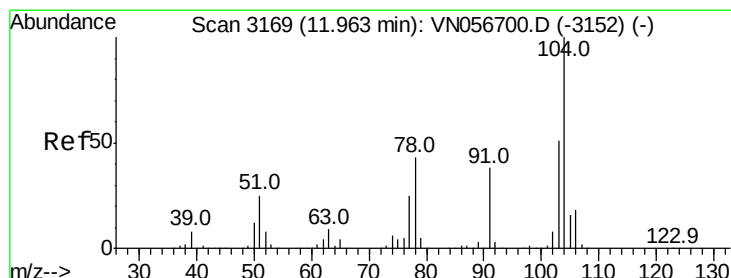
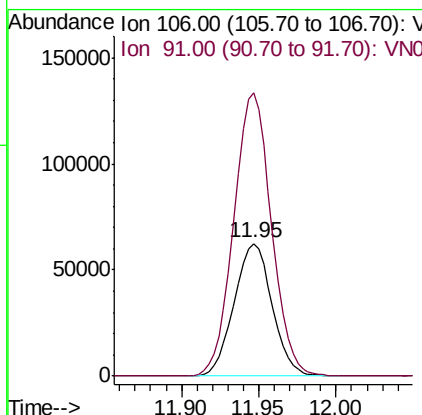
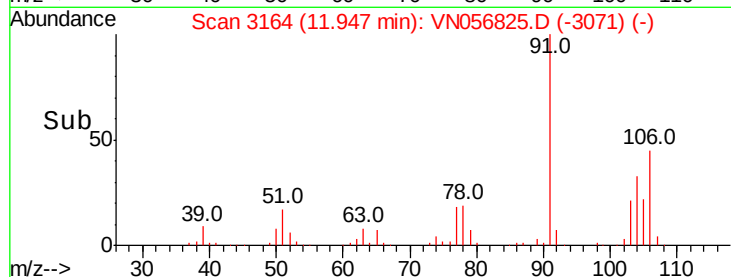
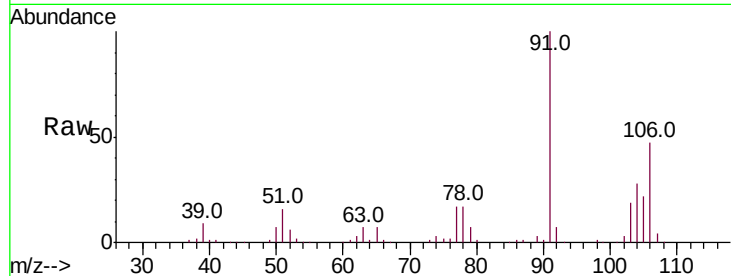
#69
o-Xylene
Concen: 19.443 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion:106 Resp: 106443
Ion Ratio Lower Upper
106 100
91 212.3 105.6 316.8

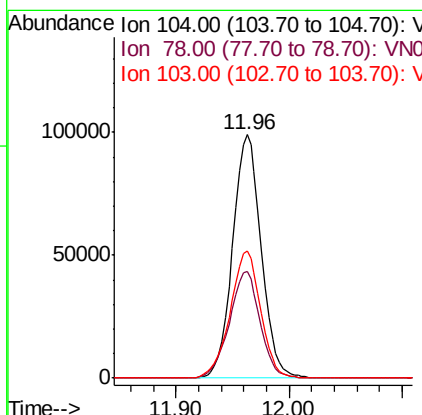
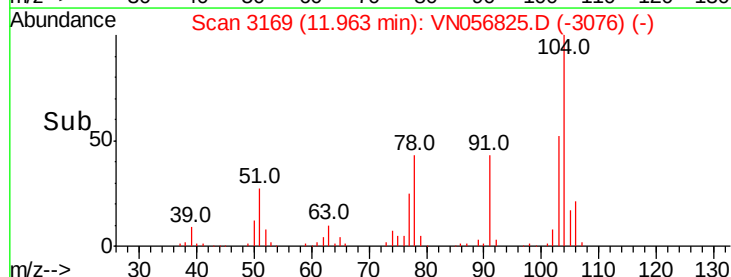
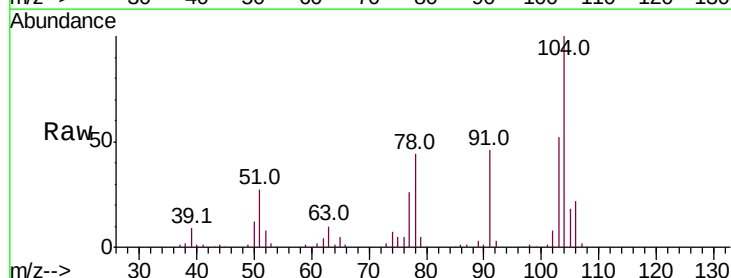
Manual Integrations
APPROVED

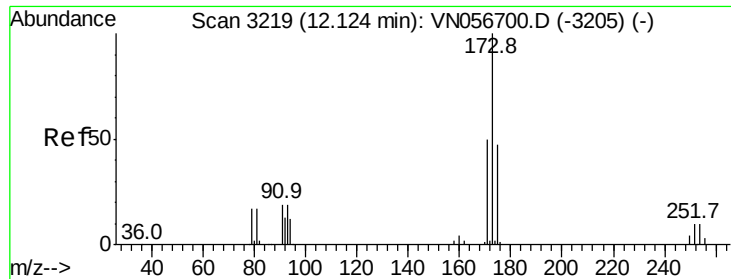
MMDadoda
7/23/2019 4:32:34 AM



#70
Styrene
Concen: 19.653 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion:104 Resp: 173946
Ion Ratio Lower Upper
104 100
78 47.2 38.6 57.8
103 55.8 44.2 66.4





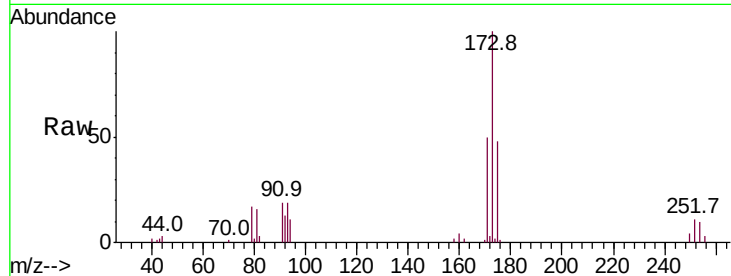
#71
Bromoform
Concen: 19.438 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

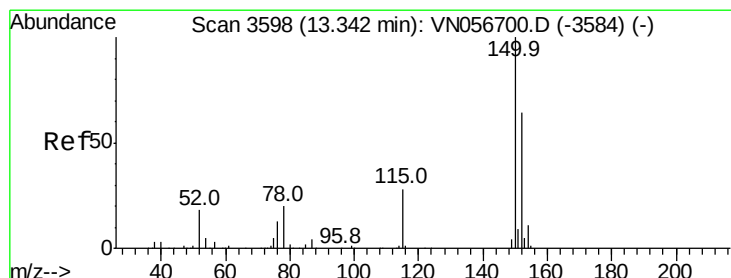
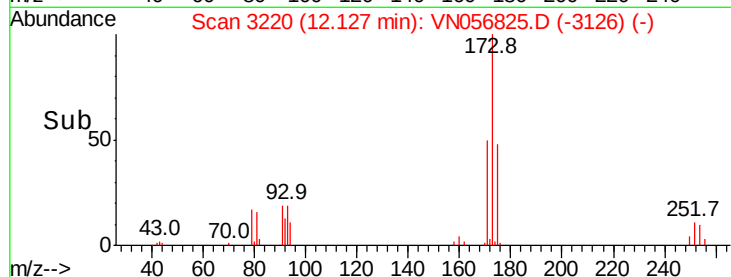
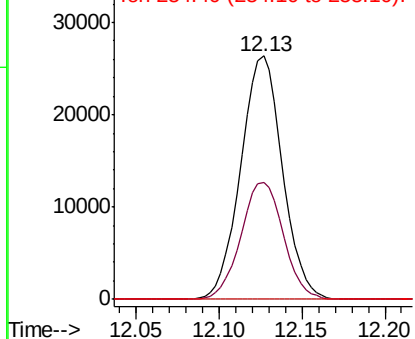
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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7/23/2019 4:32:34 AM

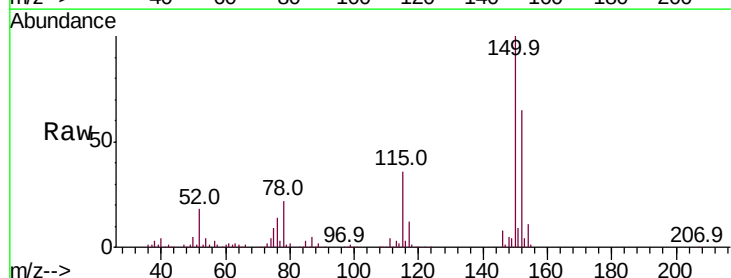


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

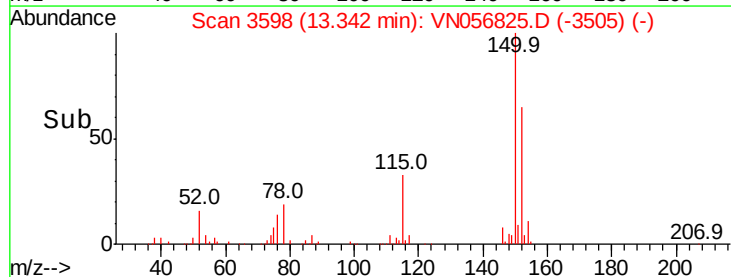
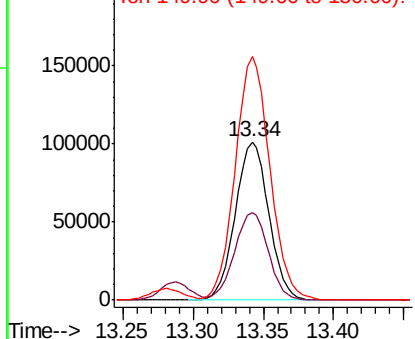


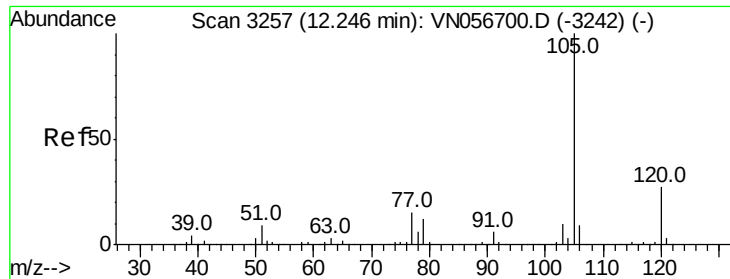
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.2	84.7
150	159.4	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: 20.543 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion:105 Resp: 279855

Ion Ratio Lower Upper

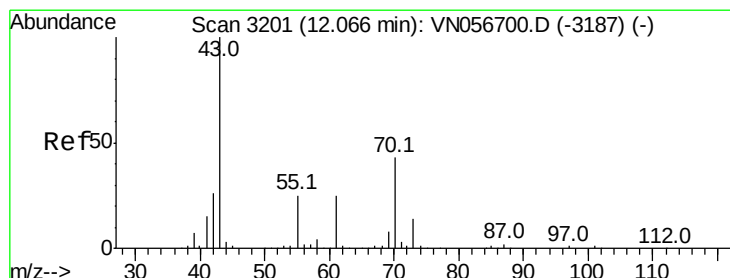
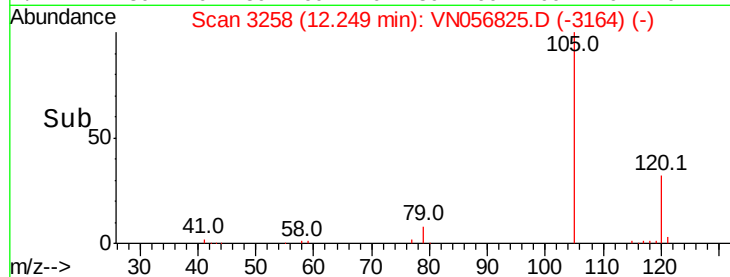
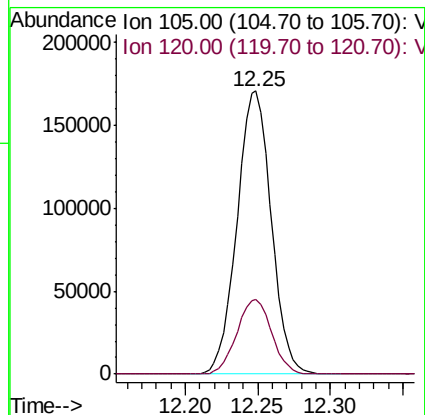
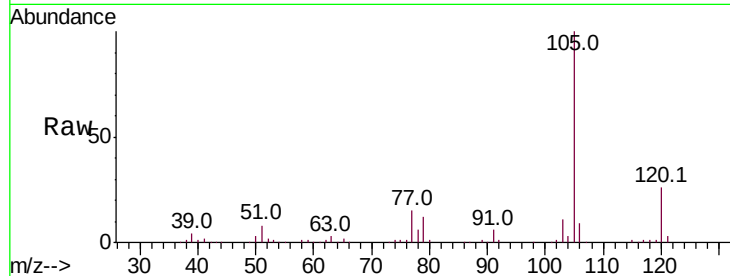
105 100

120 26.8 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

7/23/2019 4:32:34 AM



#74

N-ethyl acetate

Concen: 19.249 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Tgt Ion: 43 Resp: 97659

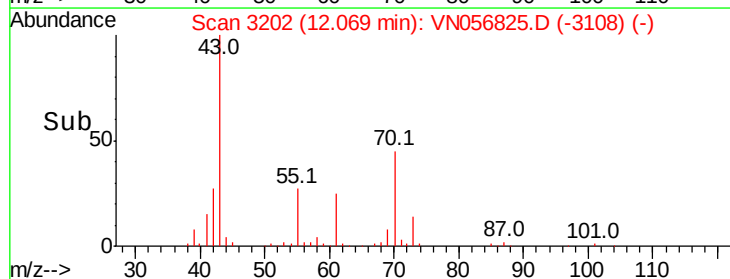
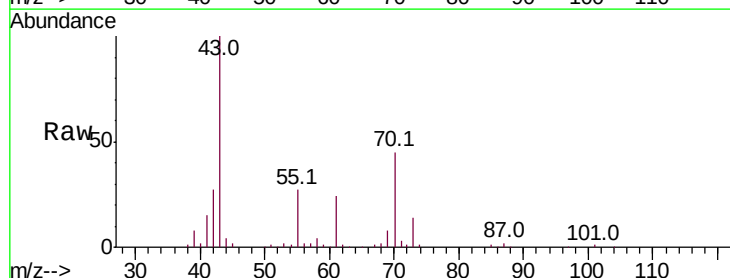
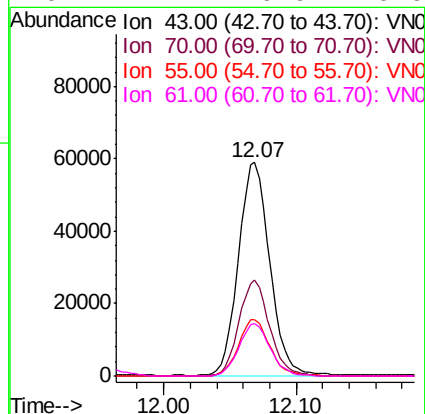
Ion Ratio Lower Upper

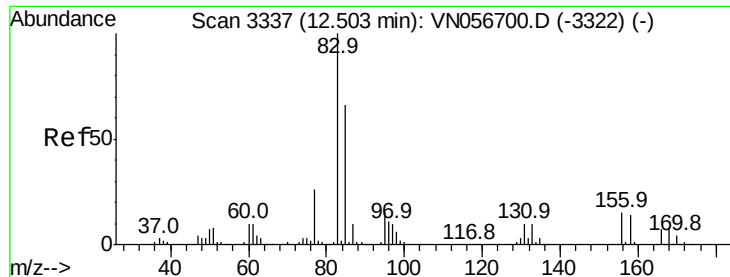
43 100

70 43.5 34.5 51.7

55 26.5 20.2 30.2

61 24.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.554 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

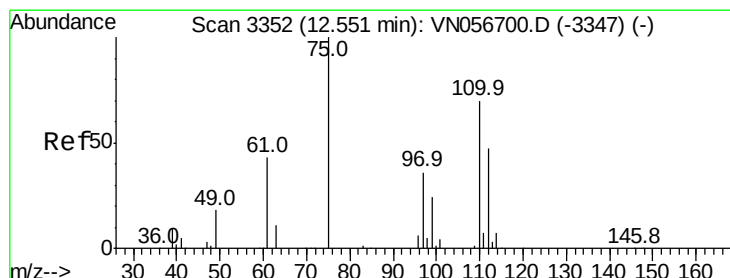
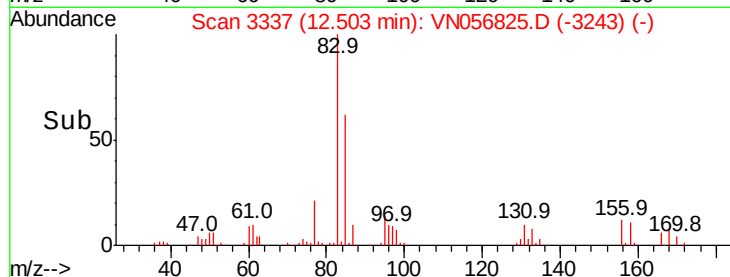
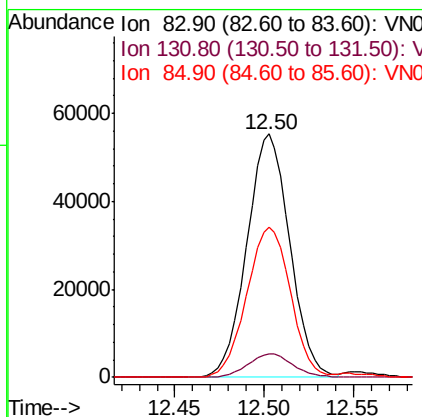
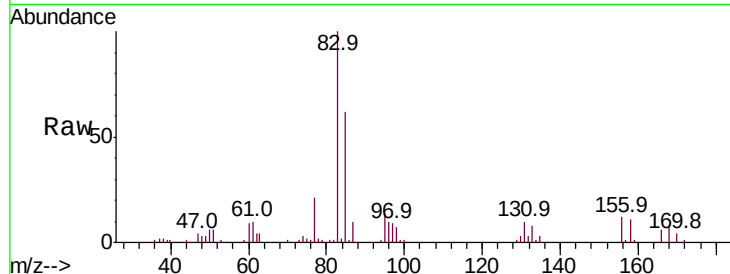
ClientSampleId :

VN0719WBS01

Tot Ion:	83	Resp:	93181
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	62.7	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.042 ug/l m

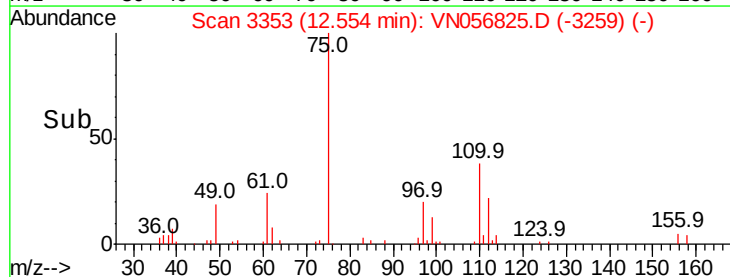
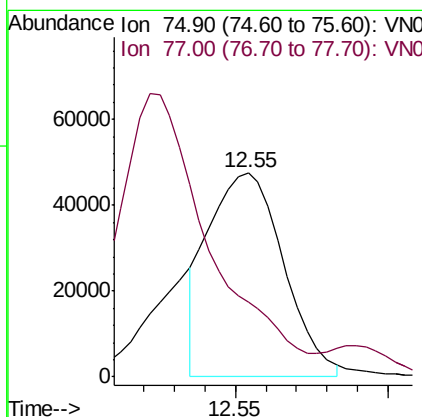
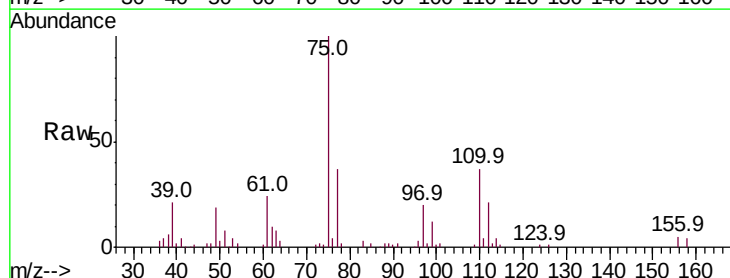
RT: 12.55 min Scan# 3353

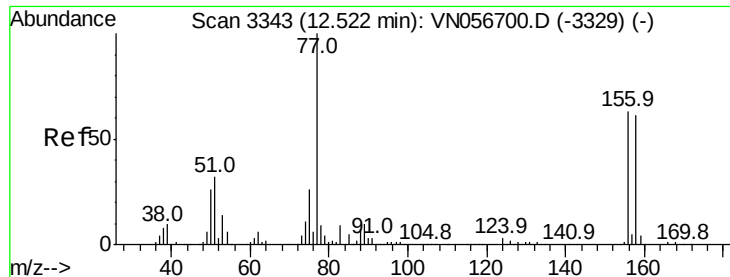
Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Tgt Ion:	75	Resp:	81450
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.688 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion:156 Resp: 73717

Ion Ratio Lower Upper

156 100

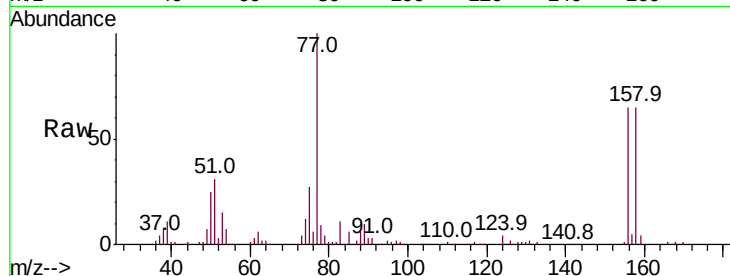
77 190.2 97.2 291.6

158 97.3 48.9 146.8

Manual Integrations
APPROVED

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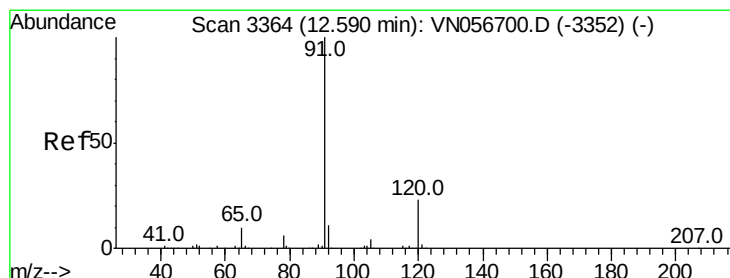
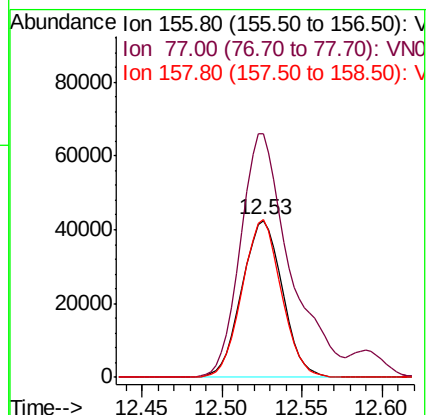
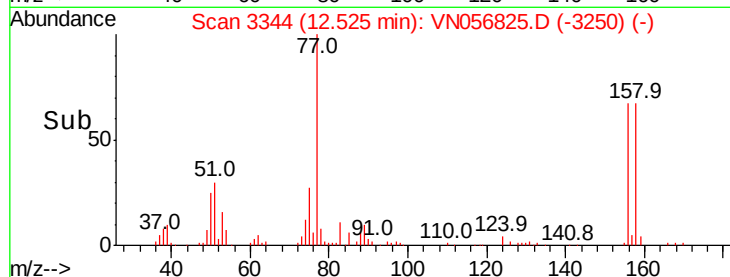
7/23/2019 4:32:34 AM



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: 19.681 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056825.D

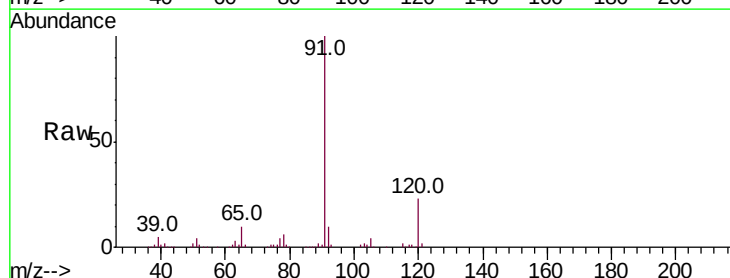
Acq: 19 Jul 2019 12:35

Tgt Ion: 91 Resp: 297647

Ion Ratio Lower Upper

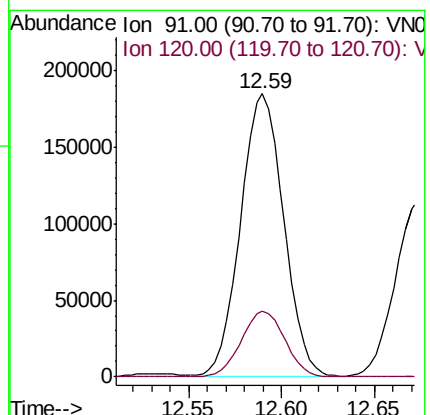
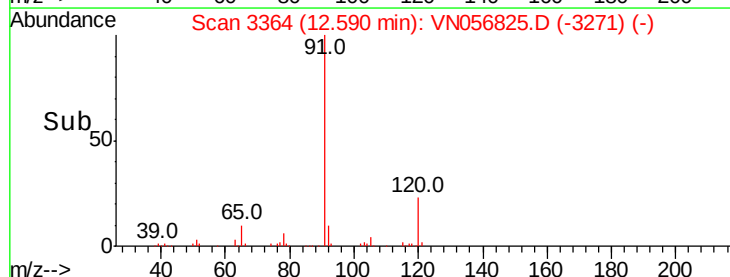
91 100

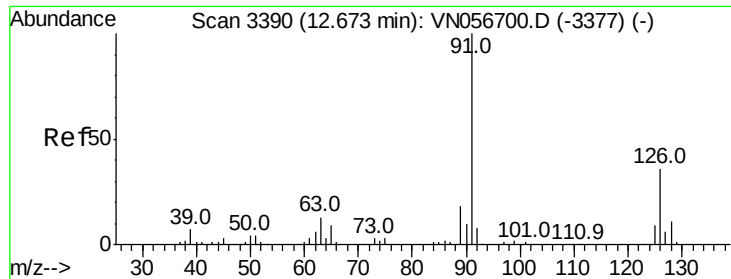
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.404 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 91 Resp: 186727

Ion Ratio Lower Upper

91 100

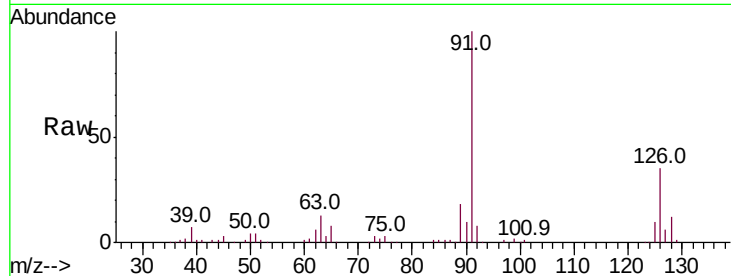
126 35.5 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056700.D (-3377) (-)

200000

150000

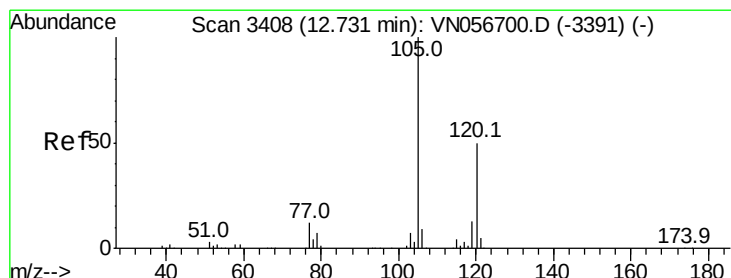
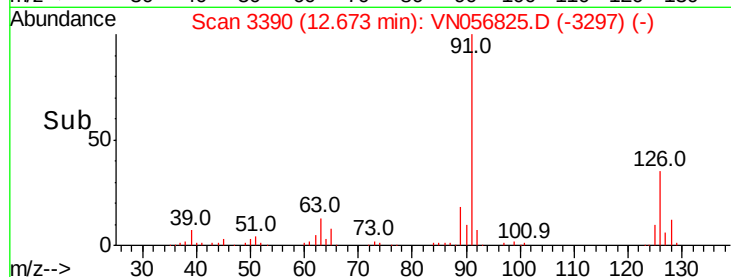
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.576 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056825.D

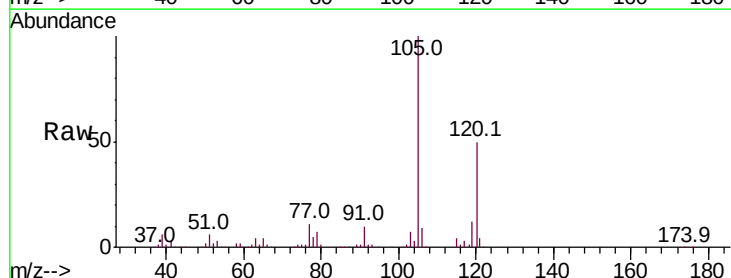
Acq: 19 Jul 2019 12:35

Tgt Ion: 105 Resp: 237571

Ion Ratio Lower Upper

105 100

120 49.2 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056700.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056700.D (-3391) (-)

150000

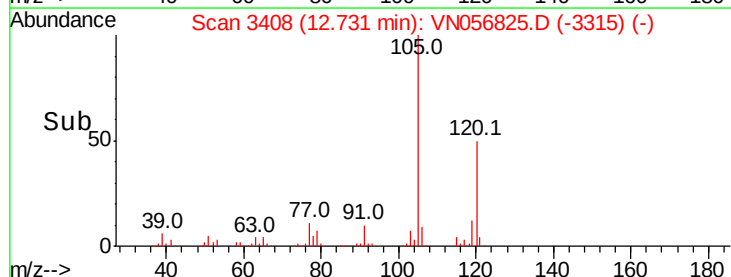
100000

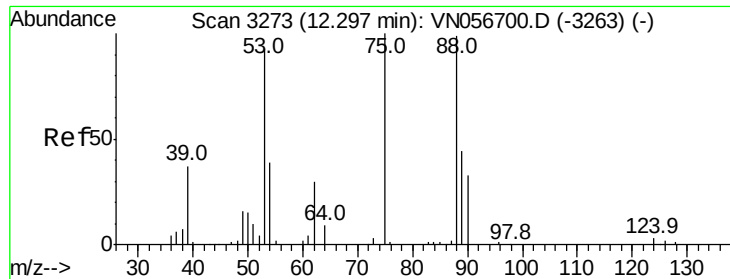
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.730 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056825.D

Acq: 19 Jul 2019 12:35

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBS01

Tot Ion: 75 Resp: 22411

Ion Ratio Lower Upper

75 100

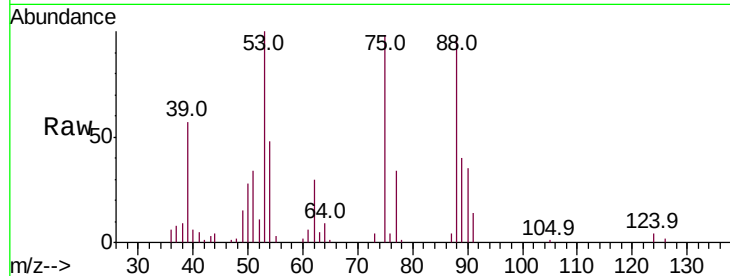
53 99.5 73.7 110.5

89 42.2 36.2 54.2

Manual Integrations
APPROVED

MMDadoda

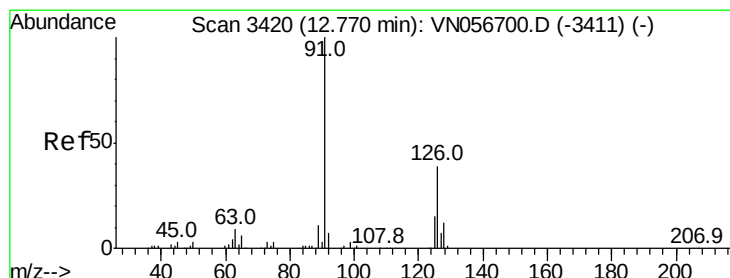
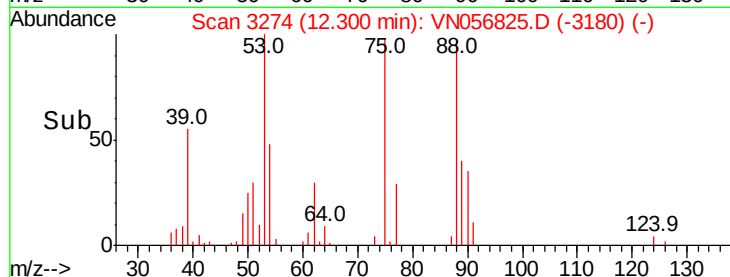
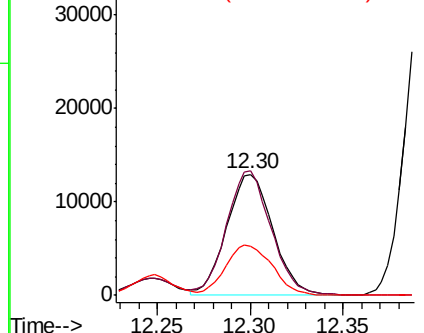
7/23/2019 4:32:34 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.853 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056825.D

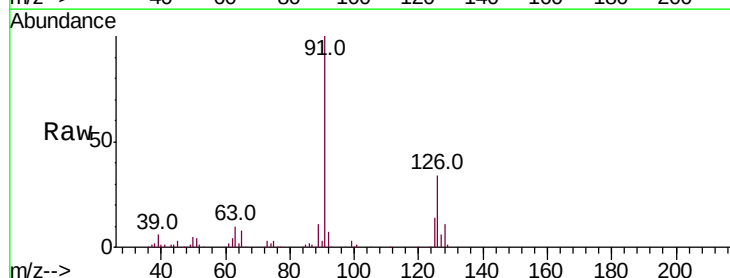
Acq: 19 Jul 2019 12:35

Tgt Ion: 91 Resp: 176205

Ion Ratio Lower Upper

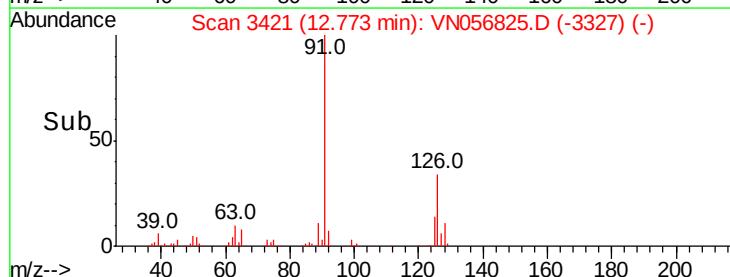
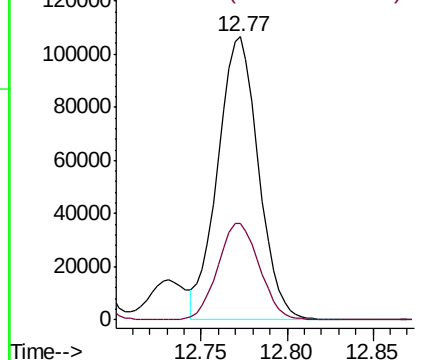
91 100

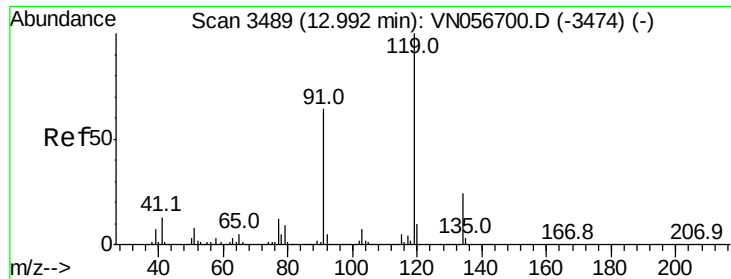
126 34.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





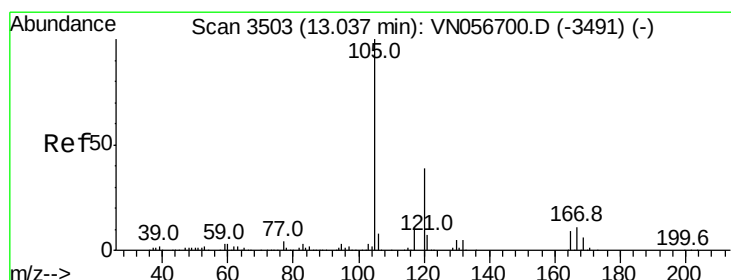
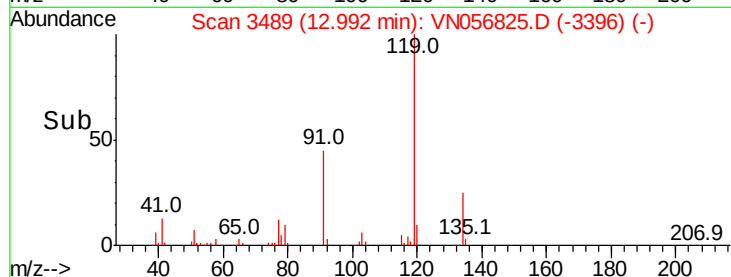
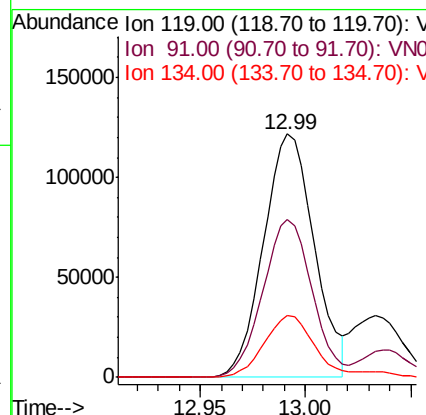
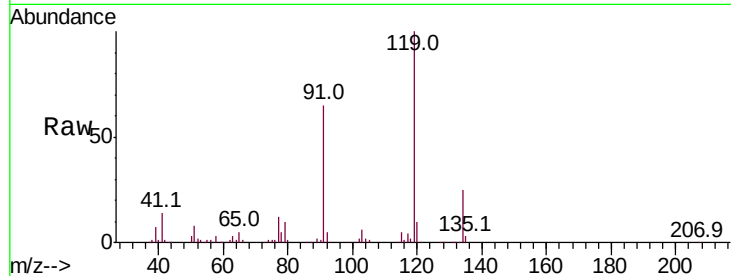
#83
 tert-Butylbenzene
 Concen: 21.783 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.8	95.4
134	26.7	13.0	38.9

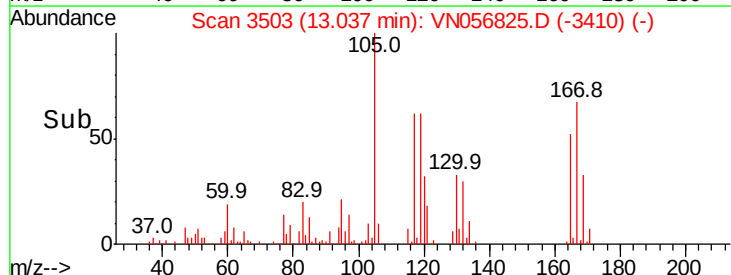
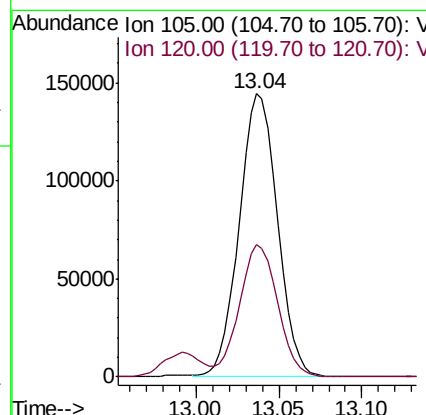
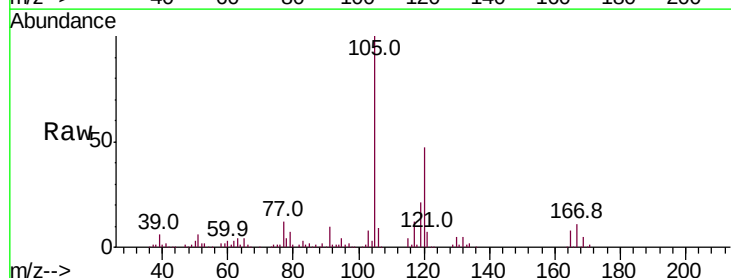
Manual Integrations
 APPROVED

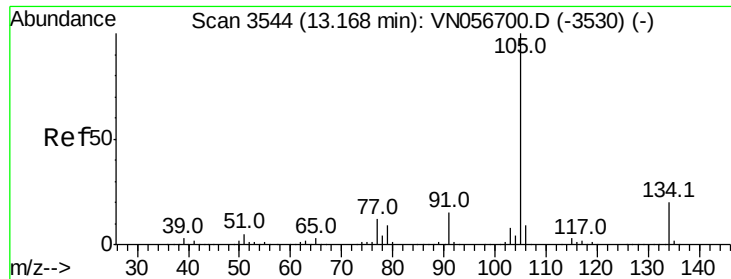
MMDadoda
 7/23/2019 4:32:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.483 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.9	68.8





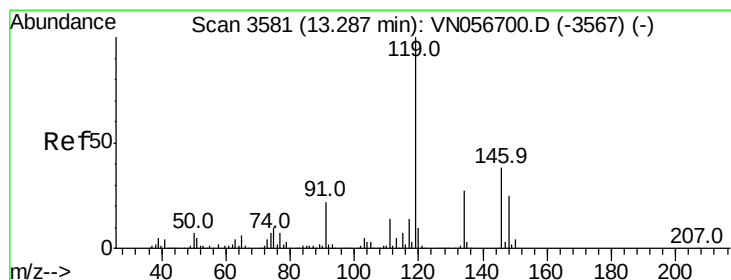
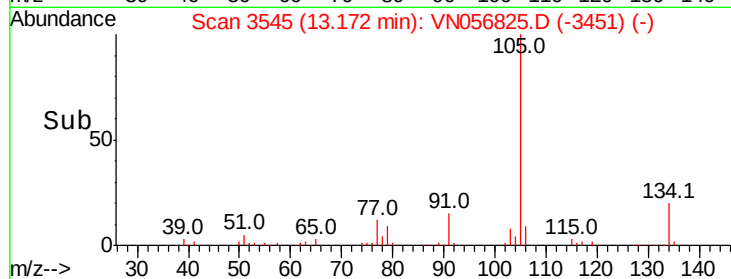
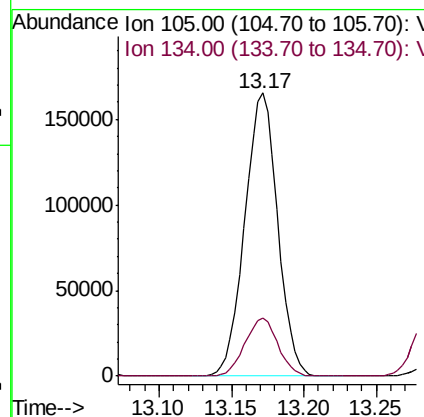
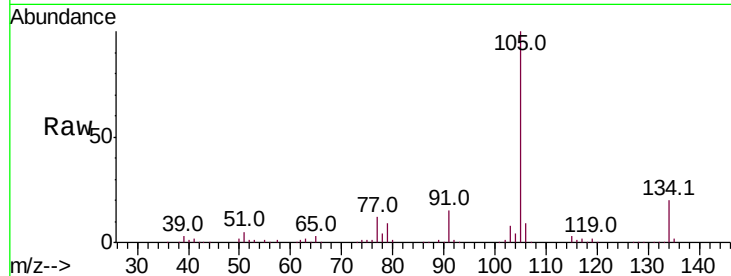
#85
 sec-Butylbenzene
 Concen: 20.306 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	260518		
134	20.5	10.1	30.1	

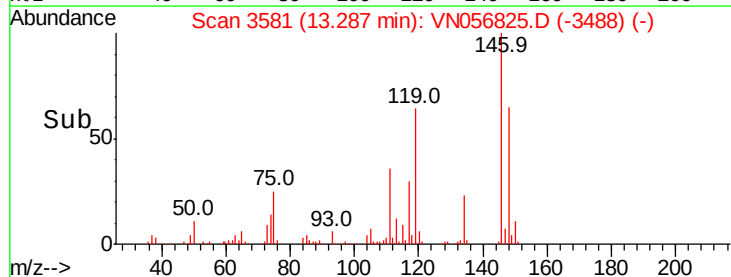
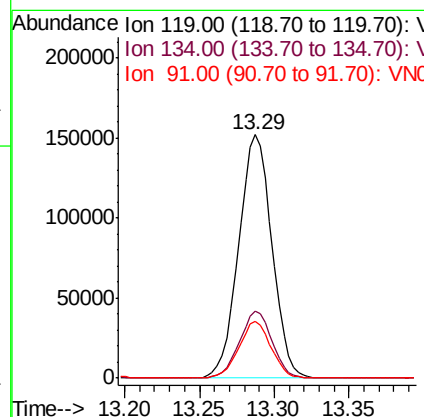
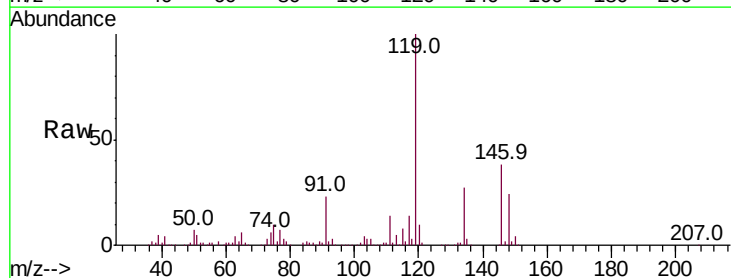
Manual Integrations
 APPROVED

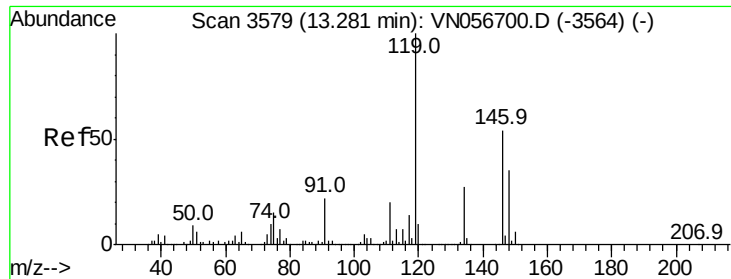
MMDadoda
 7/23/2019 4:32:34 AM



#86
 p-Isopropyltoluene
 Concen: 20.244 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	235284		
134	26.8	13.6	40.7	
91	22.5	11.2	33.5	





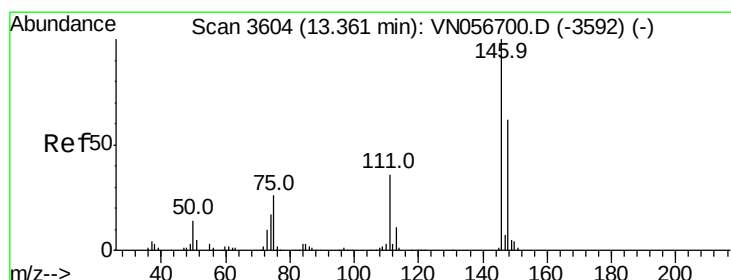
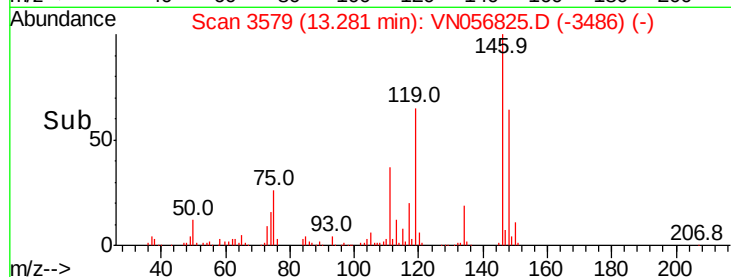
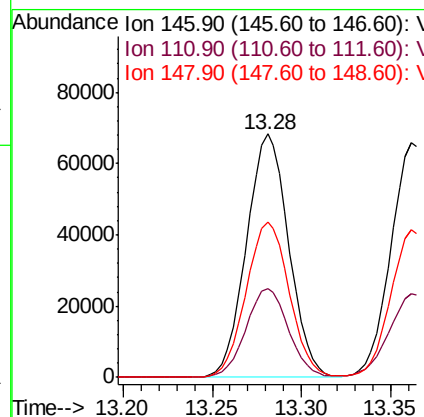
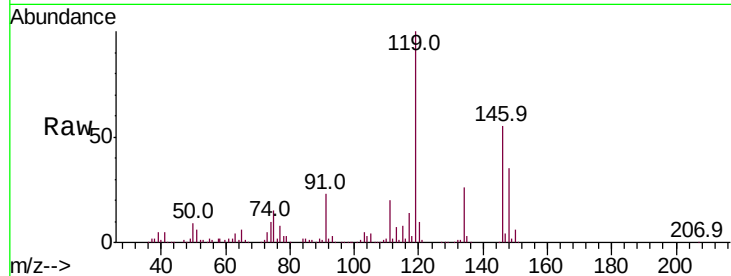
#87
 1,3-Dichlorobenzene
 Concen: 19.319 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112815		
111	36.8	18.8	56.3	
148	65.3	32.3	96.8	

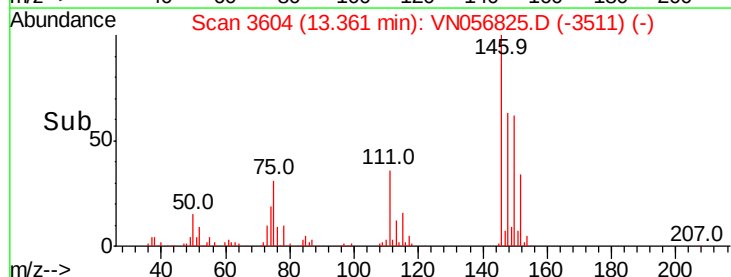
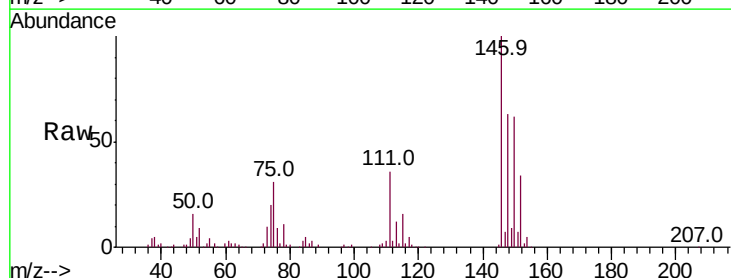
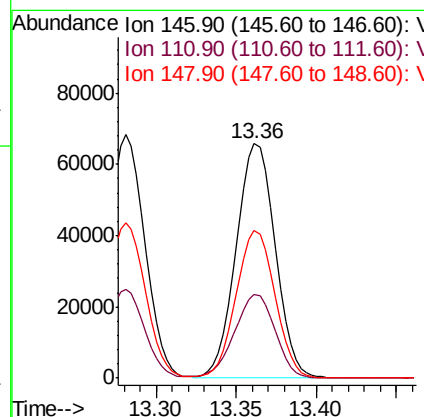
Manual Integrations
 APPROVED

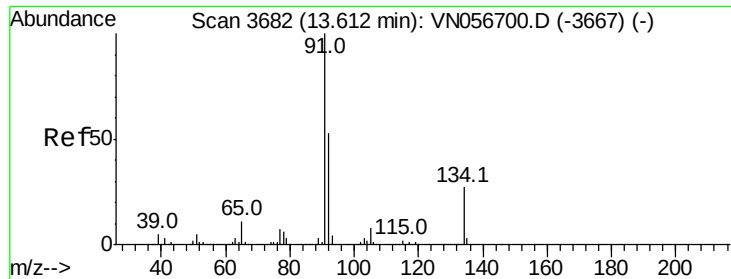
MMDadoda
 7/23/2019 4:32:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.323 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109757		
111	37.1	18.6	55.8	
148	62.8	31.9	95.7	





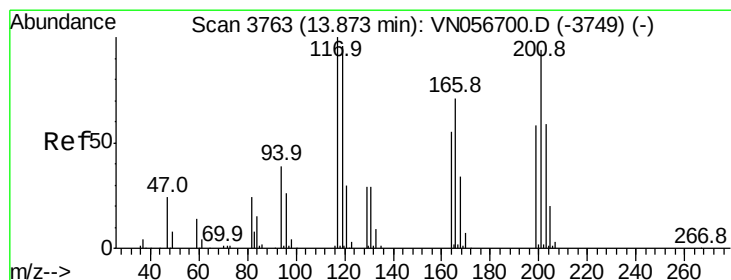
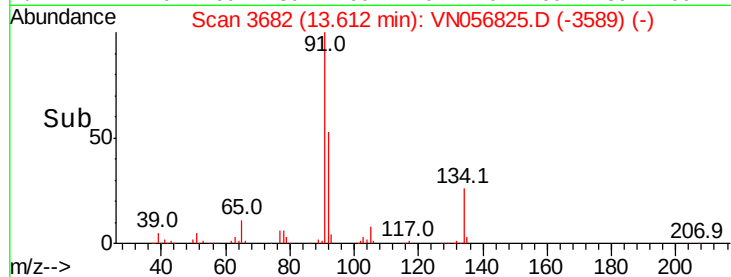
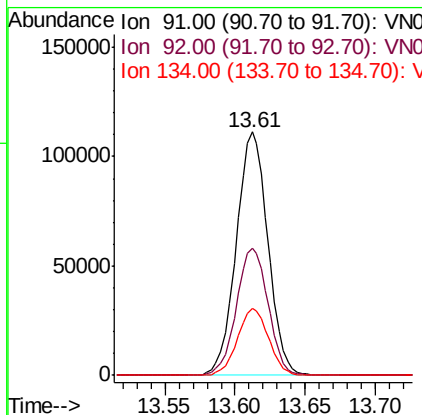
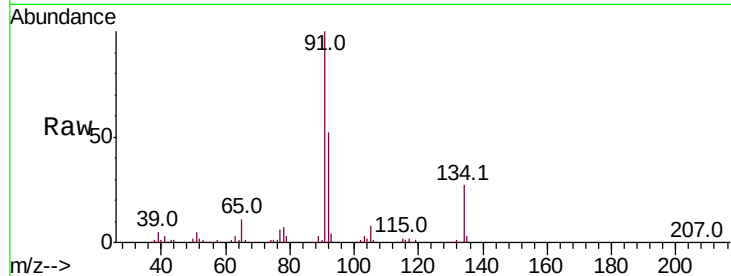
#89
n-Butylbenzene
Concen: 18.701 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.9	13.4	40.2

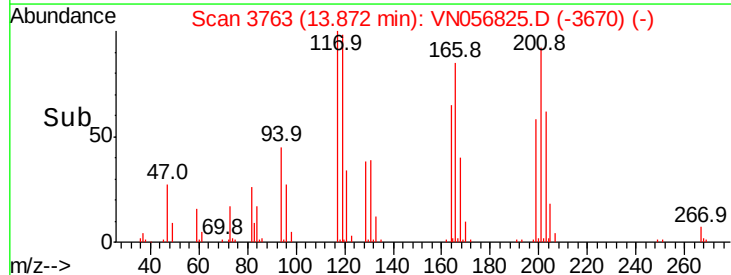
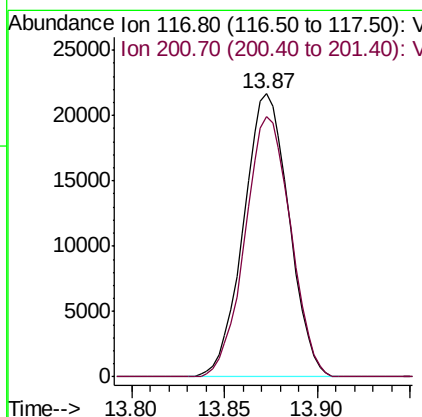
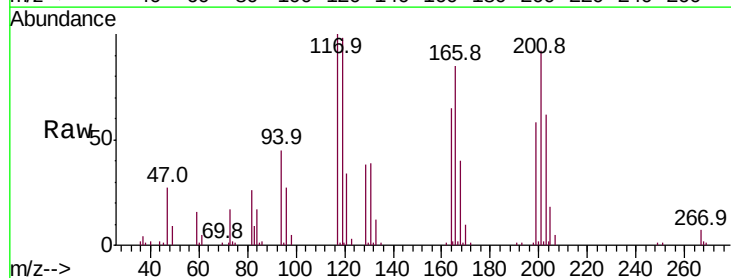
Manual Integrations
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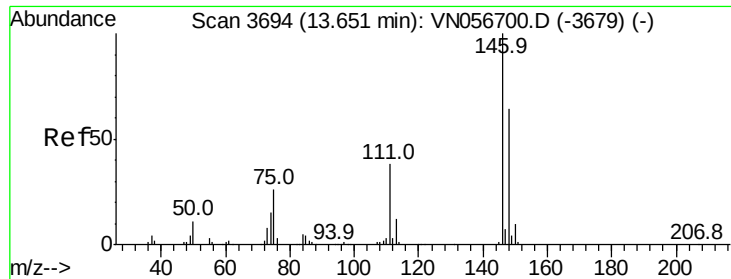
MMDadoda
7/23/2019 4:32:34 AM



#90
Hexachloroethane
Concen: 19.597 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	46.5	139.5





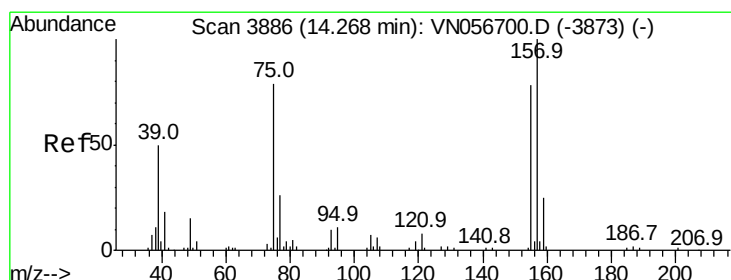
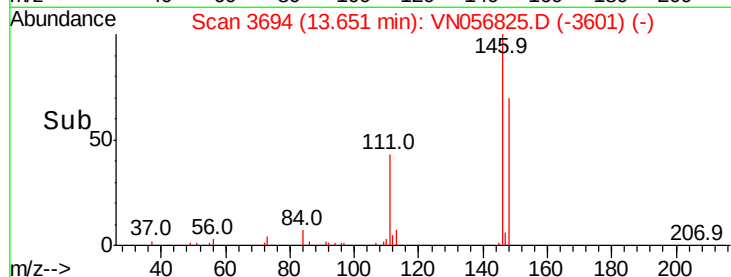
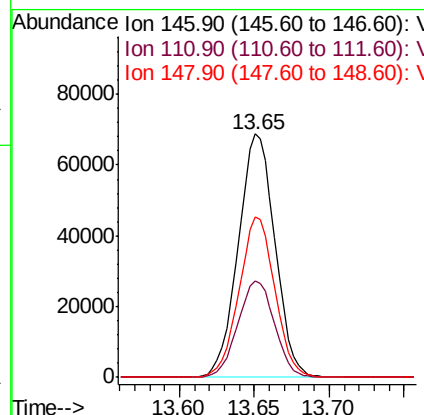
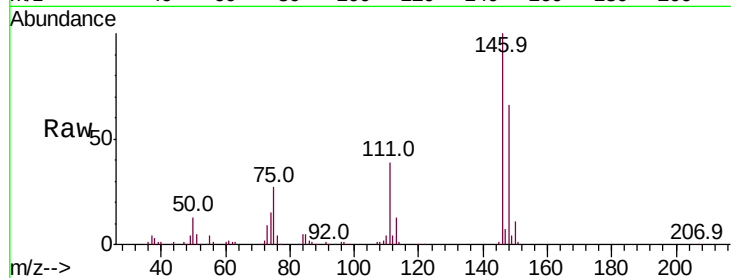
#91
 1,2-Dichlorobenzene
 Concen: 19.648 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	117348		
111	39.3	19.1	57.1	
148	64.2	31.7	95.1	

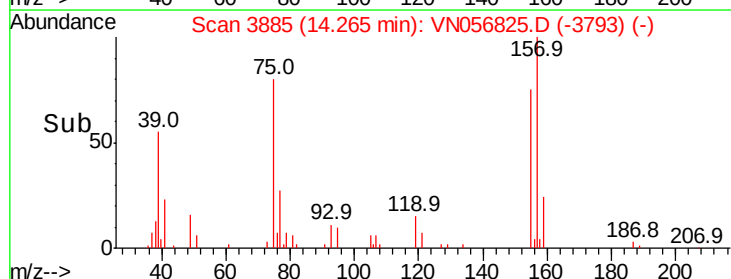
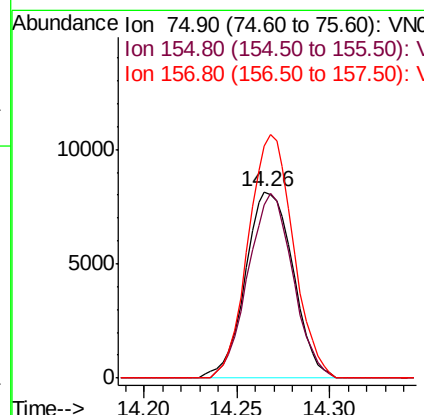
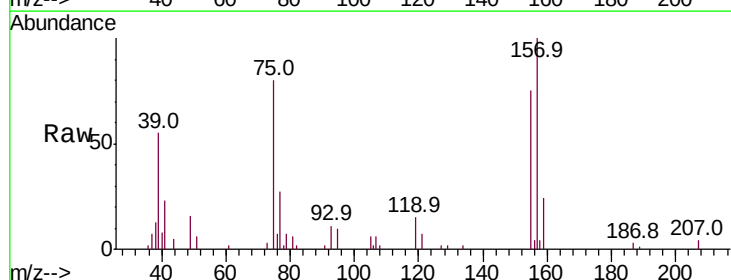
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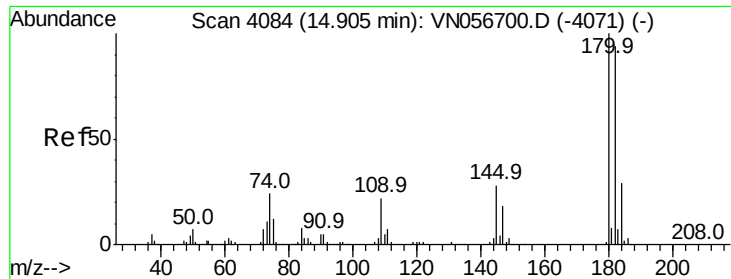
MMDadoda
 7/23/2019 4:32:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.880 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14522		
155	93.3	49.3	147.9	
157	122.9	62.4	187.1	





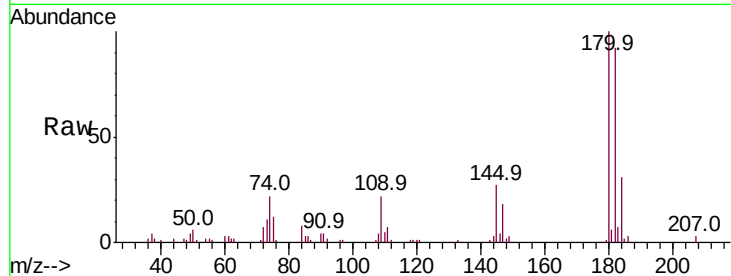
#93
 1,2,4-Trichlorobenzene
 Concen: 16.724 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.2	141.6
145	27.7	14.2	42.8

Manual Integrations
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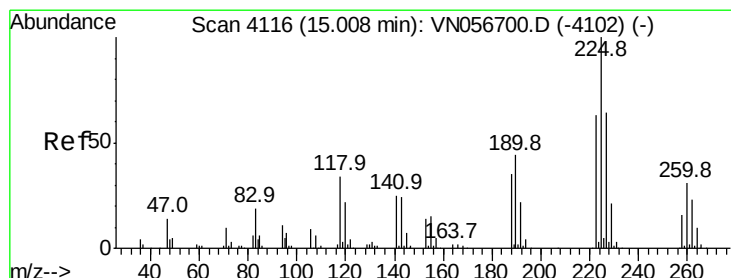
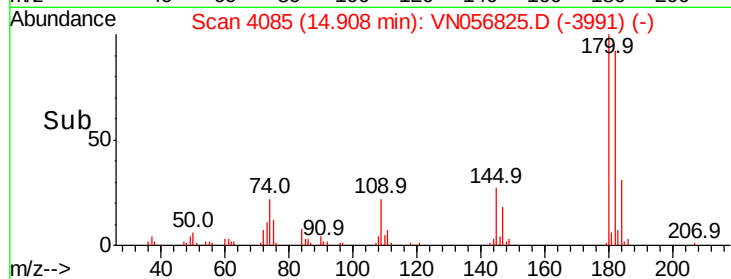
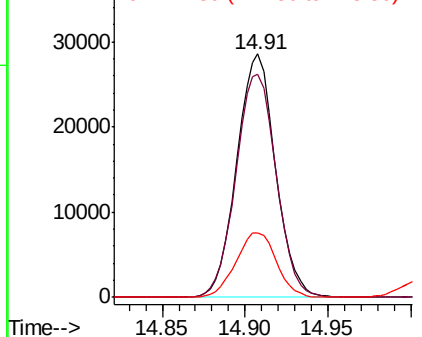


Abundance

Ion 179.80 (179.50 to 180.50): V

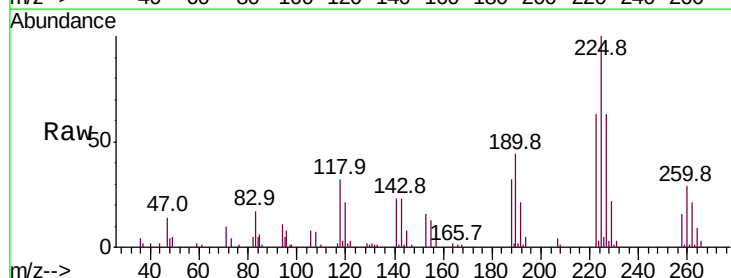
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.587 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056825.D
 Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.5	94.5
227	62.1	32.0	96.2

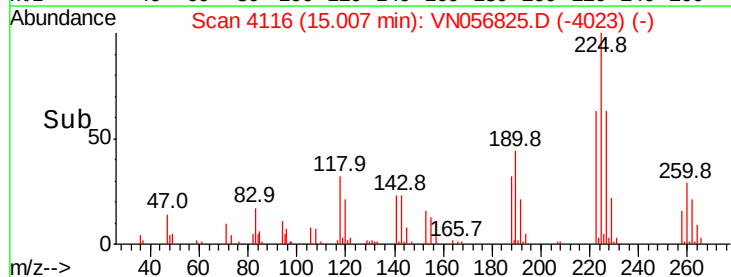
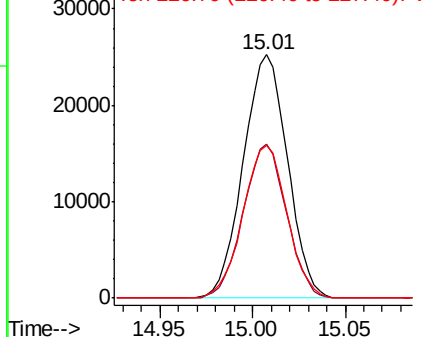


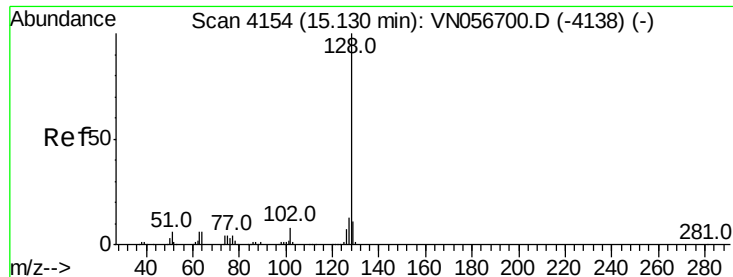
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





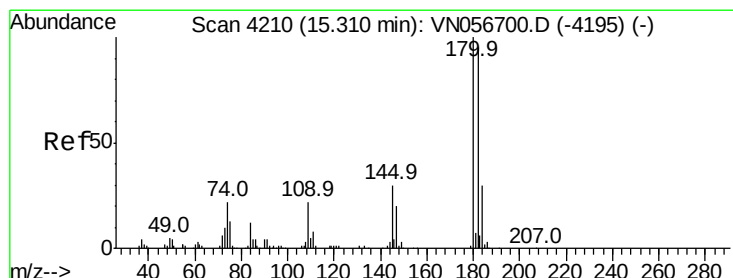
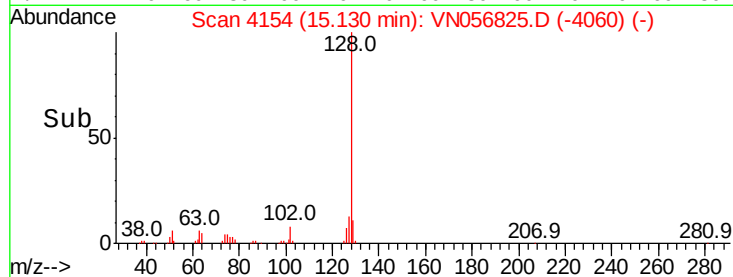
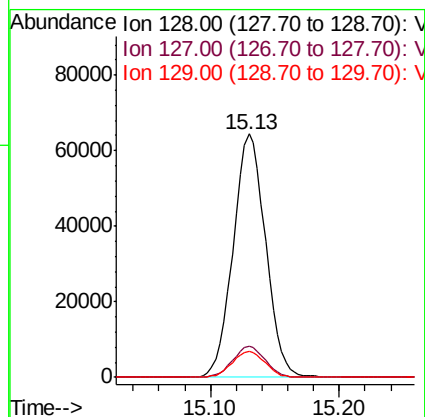
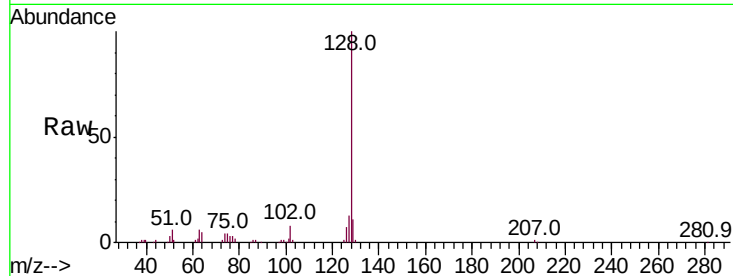
#95
Naphthalene
Concen: 15.849 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Instrument :
MSVOA_N
ClientSampleId :
VN0719WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.7	10.3	15.5	
129	10.7	8.7	13.1	

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#96
1,2,3-Trichlorobenzene
Concen: 17.750 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN056825.D
Acq: 19 Jul 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.1	47.1	141.3	
145	30.2	15.0	45.1	

