

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057072.D
 Acq On : 5 Aug 2019 10:45
 Operator : JC/SP
 Sample : VN0805WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:45 AM

Quant Time: Aug 06 01:29:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	482594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	685500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	597290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	212248	42.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.92%	
35) Dibromofluoromethane	7.58	113	194425	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
50) Toluene-d8	10.08	98	713560	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	
62) 4-Bromofluorobenzene	12.40	95	224852	41.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.54%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	98700	20.231	ug/l	99
3) Chloromethane	2.05	50	105692	18.091	ug/l	100
4) Vinyl Chloride	2.18	62	99206	18.110	ug/l	97
5) Bromomethane	2.55	94	66435	19.508	ug/l	96
6) Chloroethane	2.69	64	56209	18.614	ug/l	99
7) Trichlorofluoromethane	3.00	101	147430	20.560	ug/l	97
8) Diethyl Ether	3.40	74	53611	19.977	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	90342	20.321	ug/l	98
10) Methyl Iodide	3.94	142	81322	13.689	ug/l	98
11) Tert butyl alcohol	4.77	59	62235	93.203	ug/l	99
12) 1,1-Dichloroethene	3.72	96	83741	19.741	ug/l	97
13) Acrolein	3.60	56	18631	52.410	ug/l	92
14) Allyl chloride	4.31	41	131987	19.128	ug/l	99
15) Acrylonitrile	4.97	53	184962	94.457	ug/l	99
16) Acetone	3.80	43	173458	96.922	ug/l	100
17) Carbon Disulfide	4.04	76	195348	17.331	ug/l	99
18) Methyl Acetate	4.31	43	107060	18.752	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	255192	20.176	ug/l	98
20) Methylene Chloride	4.54	84	98218	19.052	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	87351	19.389	ug/l	95
22) Diisopropyl ether	5.93	45	283198	19.919	ug/l	98
23) Vinyl Acetate	5.88	43	932198	94.634	ug/l	99
24) 1,1-Dichloroethane	5.83	63	165342	19.711	ug/l	99
25) 2-Butanone	6.82	43	234395	92.364	ug/l	97
26) 2,2-Dichloropropane	6.81	77	127696	20.021	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	105107	19.726	ug/l	99
28) Bromochloromethane	7.18	49	76701	19.453	ug/l	97
29) Tetrahydrofuran	7.20	42	149348	90.200	ug/l	99
30) Chloroform	7.36	83	169729	19.790	ug/l	97
31) Cyclohexane	7.64	56	147383	18.157	ug/l	92
32) 1,1,1-Trichloroethane	7.56	97	142601	20.839	ug/l	98
36) 1,1-Dichloropropene	7.78	75	118821	19.699	ug/l	99
37) Ethyl Acetate	6.91	43	94028	19.463	ug/l	99
38) Carbon Tetrachloride	7.76	117	120113	21.052	ug/l	92

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	149707	19.419	ug/l	99
40) Benzene	8.03	78	379160	20.409	ug/l	99
41) Methacrylonitrile	7.17	41	50798	22.745	ug/l #	85
42) 1,2-Dichloroethane	8.11	62	120872	20.759	ug/l	100
43) Isopropyl Acetate	8.15	43	151805	19.012	ug/l	98
44) Trichloroethene	8.82	130	105013	20.517	ug/l	100
45) 1,2-Dichloropropane	9.11	63	100315	20.187	ug/l	99
46) Dibromomethane	9.20	93	63166	21.077	ug/l	97
47) Bromodichloromethane	9.39	83	124032	21.050	ug/l	100
48) Methyl methacrylate	9.19	41	74293	19.272	ug/l	97
49) 1,4-Dioxane	9.19	88	31795	400.214	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	458103	96.558	ug/l	100
52) Toluene	10.15	92	232746	20.851	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	125791	20.573	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	146578	20.618	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	91357	20.409	ug/l	97
56) Ethyl methacrylate	10.42	69	121417	19.089	ug/l	100
57) 1,3-Dichloropropane	10.70	76	154650	20.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	192491	71.759	ug/l	98
59) 2-Hexanone	10.74	43	320375	89.311	ug/l	100
60) Dibromochloromethane	10.90	129	98552	21.489	ug/l	100
61) 1,2-Dibromoethane	11.00	107	90795	20.784	ug/l	99
64) Tetrachloroethene	10.62	164	107965	20.976	ug/l	98
65) Chlorobenzene	11.43	112	250261	20.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	97350	21.246	ug/l	98
67) Ethyl Benzene	11.50	91	430662	20.469	ug/l	99
68) m/p-Xylenes	11.62	106	323511	41.664	ug/l	99
69) o-Xylene	11.94	106	157751	20.766	ug/l	100
70) Styrene	11.96	104	250983	19.861	ug/l	99
71) Bromoform	12.12	173	66187	20.690	ug/l #	100
73) Isopropylbenzene	12.25	105	430701	22.571	ug/l	99
74) N-amyl acetate	12.07	43	112495	20.304	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	115747	22.599	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96760m	21.579	ug/l	
77) Bromobenzene	12.52	156	107907	21.667	ug/l	98
78) n-propylbenzene	12.59	91	447798	21.979	ug/l	99
79) 2-Chlorotoluene	12.67	91	273182	21.775	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	361800	23.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28581	20.480	ug/l	94
82) 4-Chlorotoluene	12.77	91	252621	21.517	ug/l	98
83) tert-Butylbenzene	12.99	119	321446	23.186	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	346434	22.990	ug/l	99
85) sec-Butylbenzene	13.17	105	400077	22.372	ug/l	99
86) p-Isopropyltoluene	13.29	119	355480	22.390	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	160060	21.129	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	146080	20.031	ug/l	98
89) n-Butylbenzene	13.61	91	253178	20.691	ug/l	98
90) Hexachloroethane	13.87	117	60454	22.114	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	162708	21.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14699	19.368	ug/l	97

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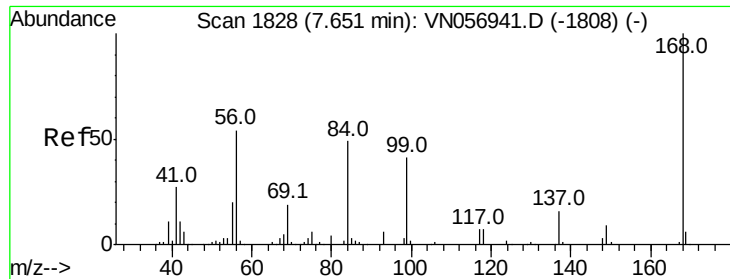
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52007	15.500	ug/l	98
94) Hexachlorobutadiene	15.01	225	71473	25.839	ug/l	99
95) Naphthalene	15.12	128	118852	15.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	60801	17.052	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VN0805WBS01

Tot Ion:168 Resp: 482594

Ion Ratio Lower Upper

168 100

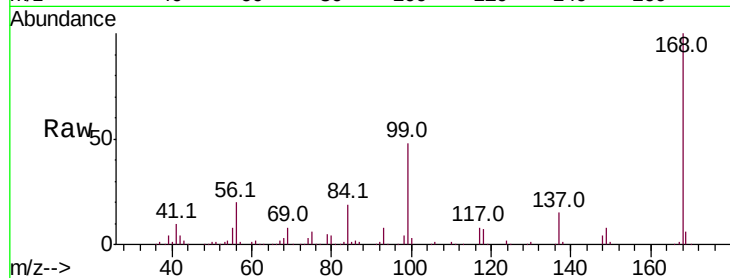
99 48.2 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

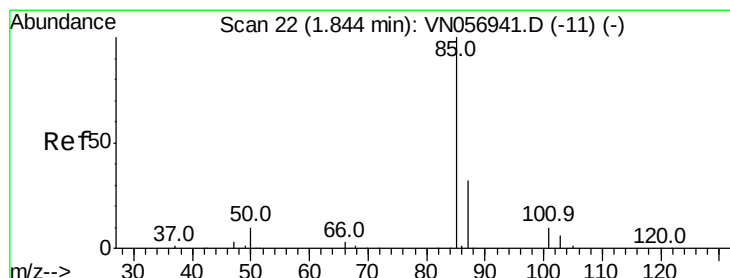
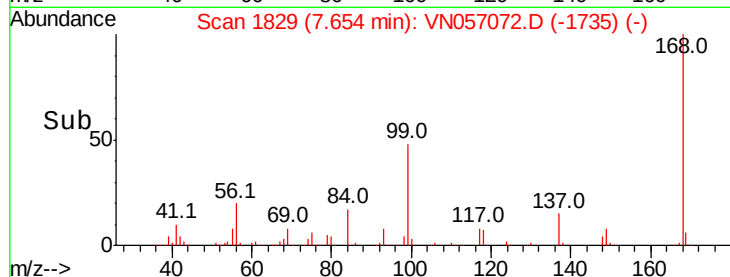
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.231 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057072.D

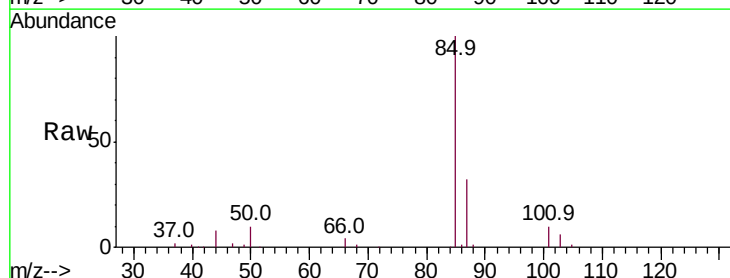
Acq: 5 Aug 2019 10:45

Tgt Ion: 85 Resp: 98700

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

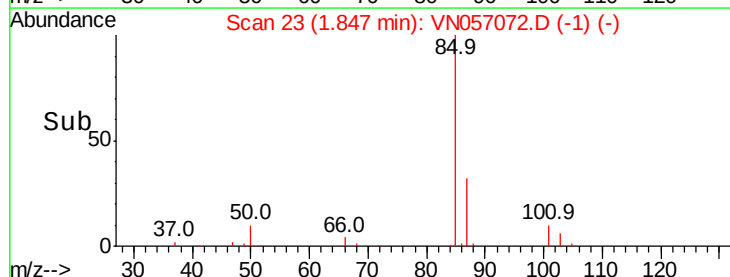
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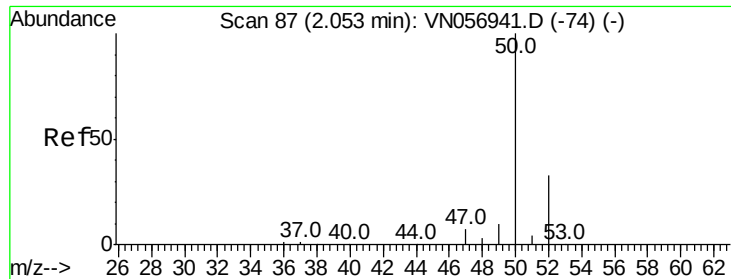
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.091 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0805WBS01

Tot Ion: 50 Resp: 105692

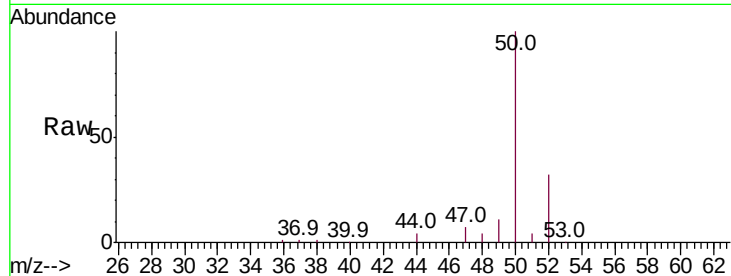
Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.2

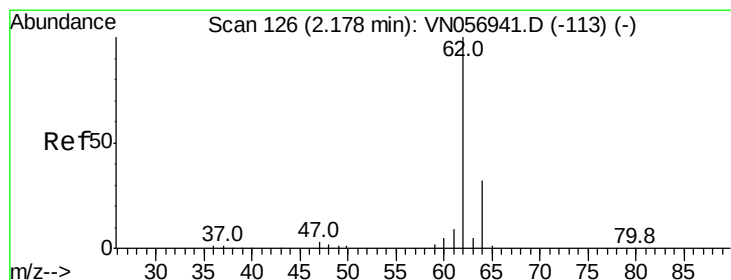
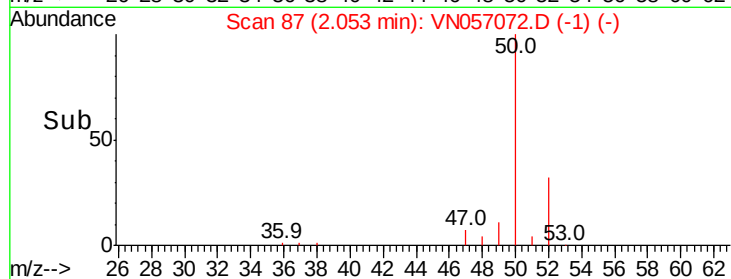
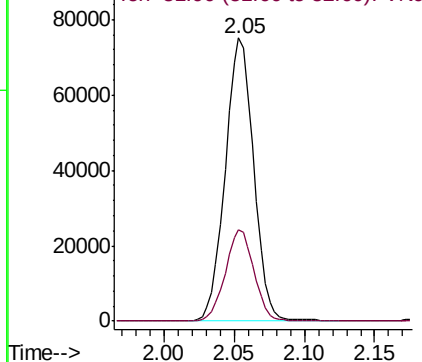
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.110 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057072.D

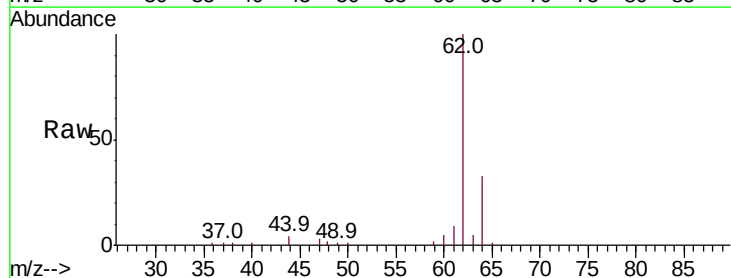
Acq: 5 Aug 2019 10:45

Tgt Ion: 62 Resp: 99206

Ion Ratio Lower Upper

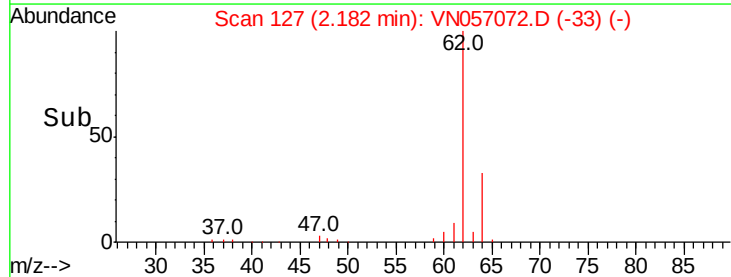
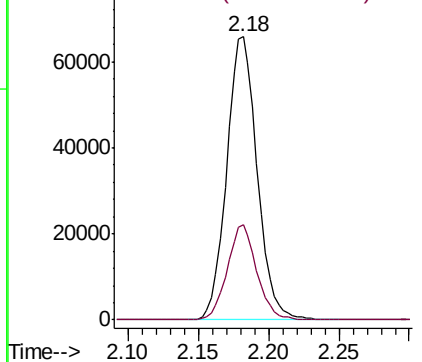
62 100

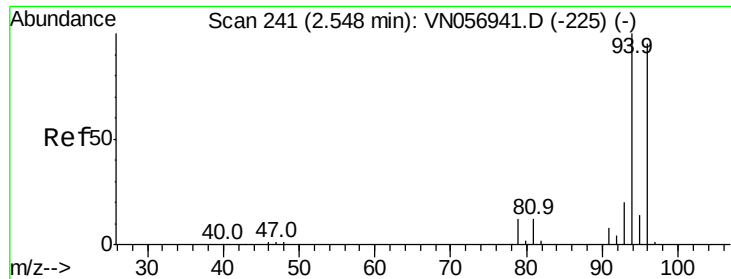
64 33.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





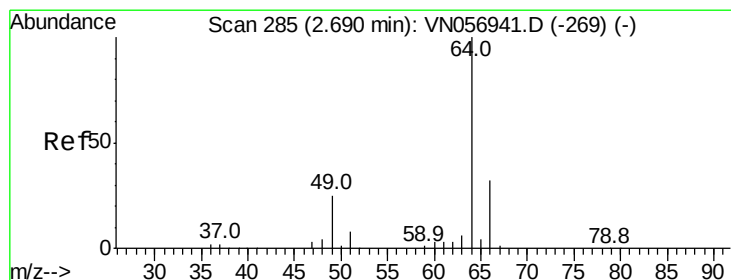
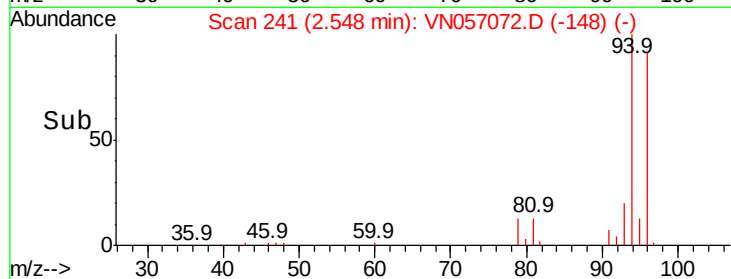
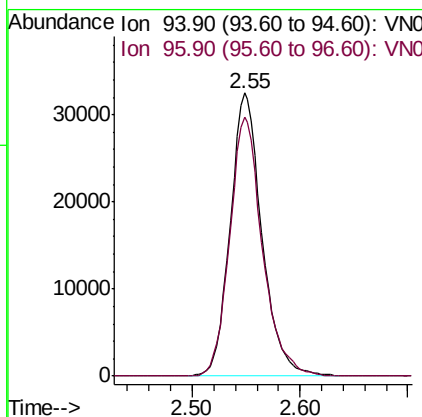
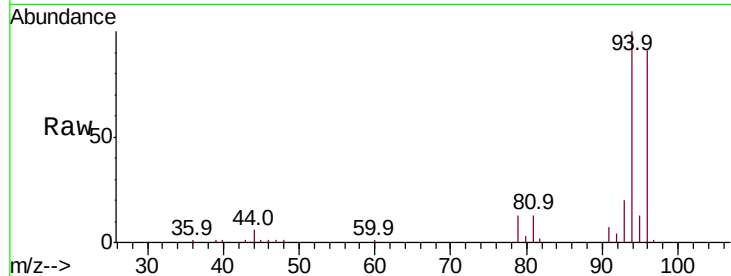
#5
Bromomethane
Concen: 19.508 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion: 94 Resp: 66435
Ion Ratio Lower Upper
94 100
96 91.4 76.2 114.2

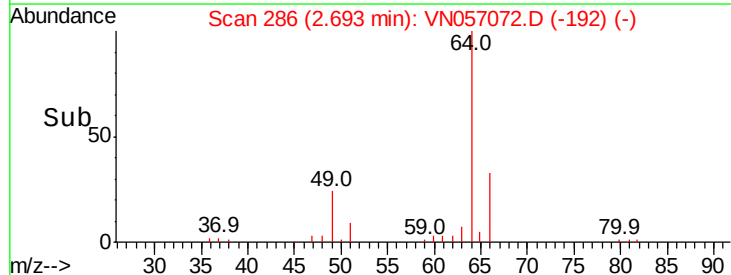
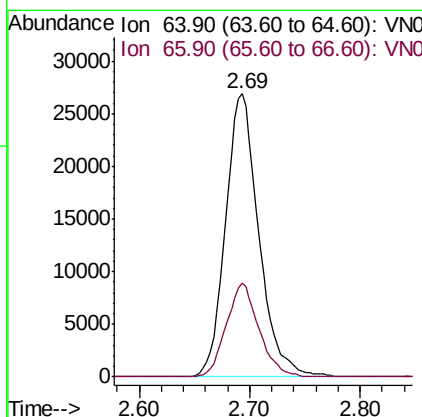
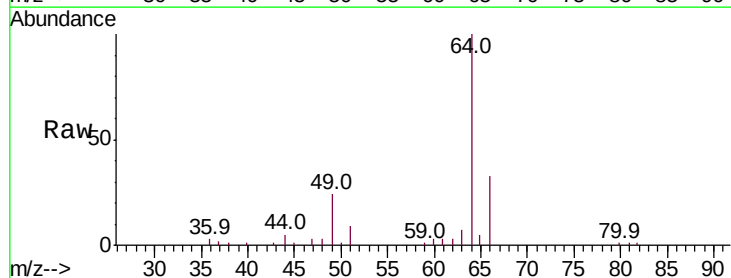
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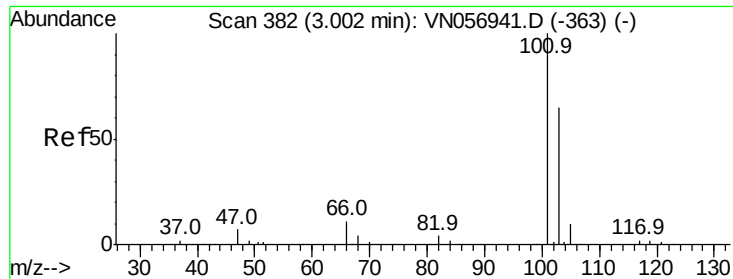
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#6
Chloroethane
Concen: 18.614 ug/l
RT: 2.69 min Scan# 286
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 64 Resp: 56209
Ion Ratio Lower Upper
64 100
66 33.1 25.8 38.8





#7

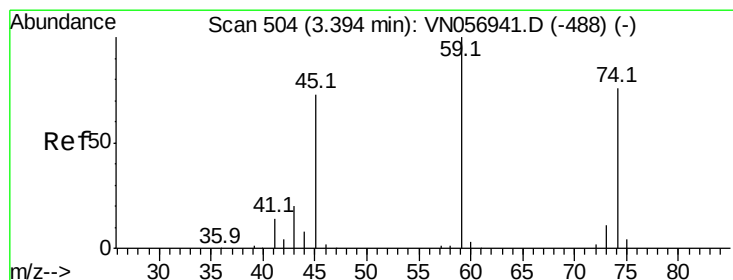
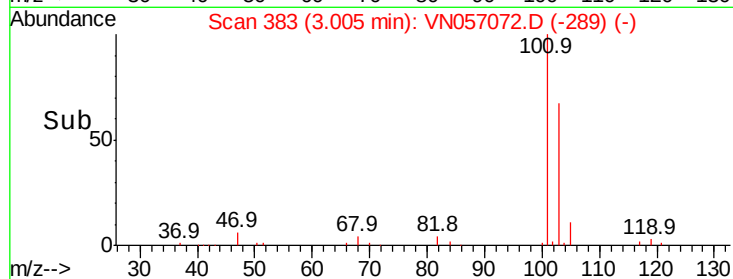
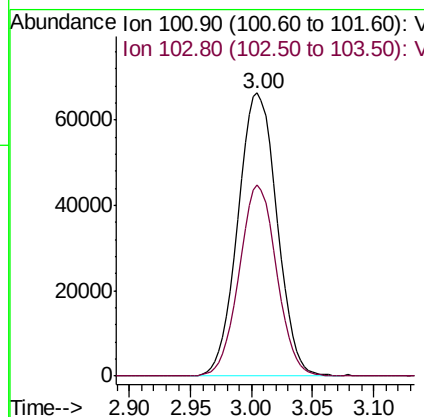
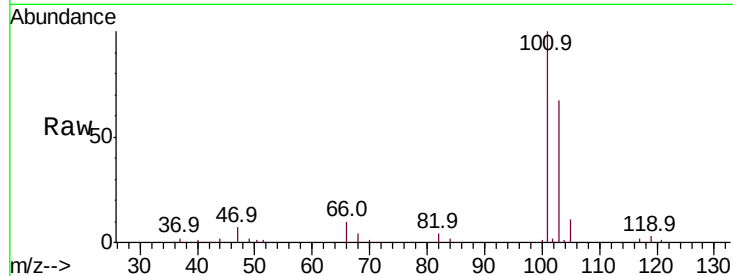
Trichlorofluoromethane
Concen: 20.560 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion:101 Resp: 147430
Ion Ratio Lower Upper
101 100
103 67.5 52.1 78.1

Manual Integrations
APPROVED

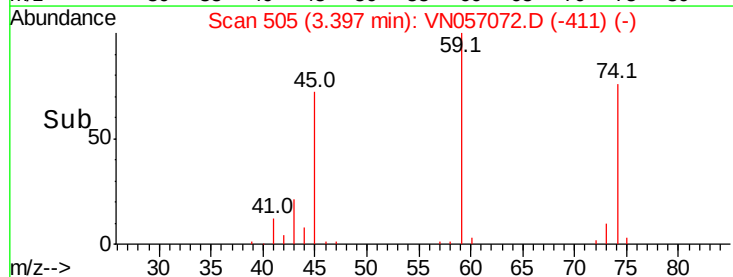
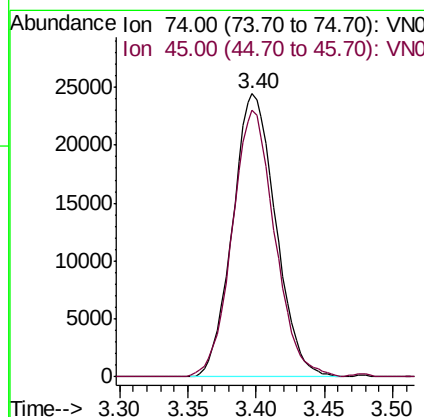
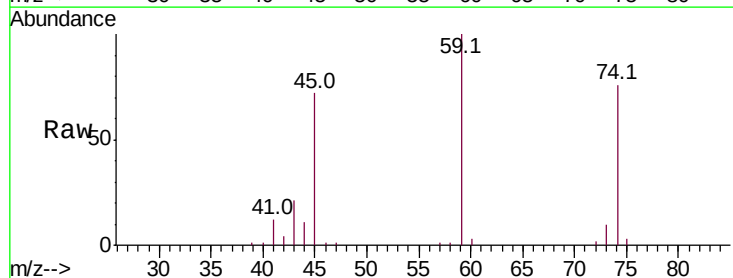
MMDadoda
8/7/2019 4:09:45 AM

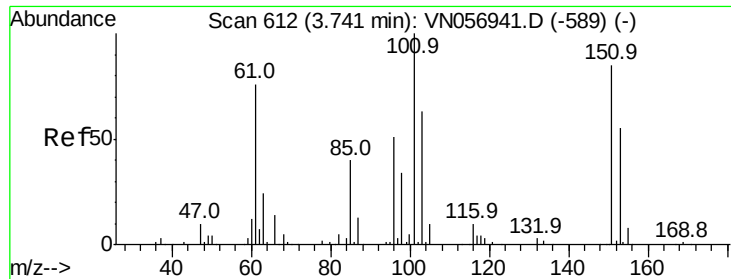


#8

Diethyl Ether
Concen: 19.977 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 74 Resp: 53611
Ion Ratio Lower Upper
74 100
45 93.4 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.321 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

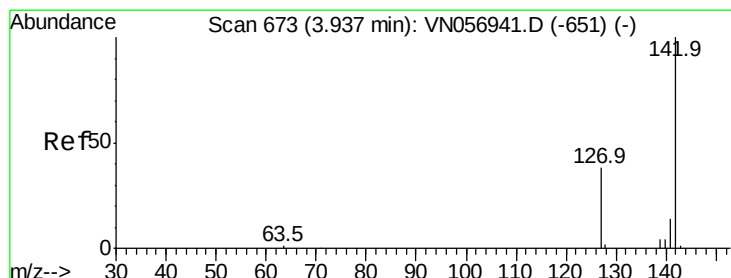
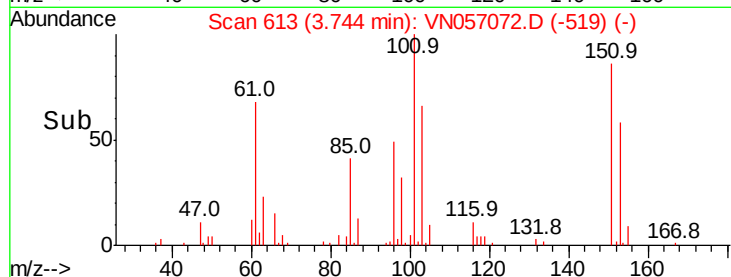
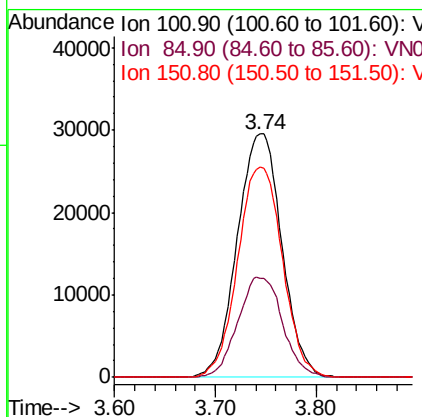
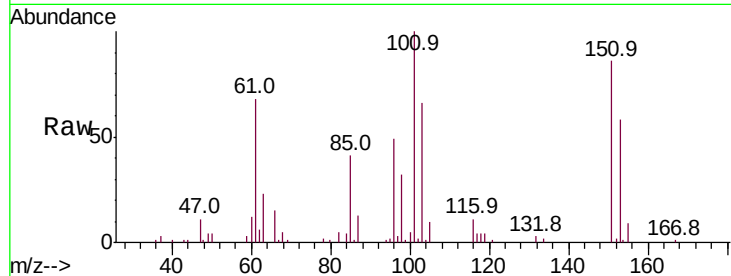
ClientSampleId :

VN0805WBS01

Tot Ion:	101	Resp:	90342
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.3	48.5
151	86.8	68.0	102.0

Manual Integrations
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MMDadoda
8/7/2019 4:09:45 AM



#10

Methyl Iodide

Concen: 13.689 ug/l

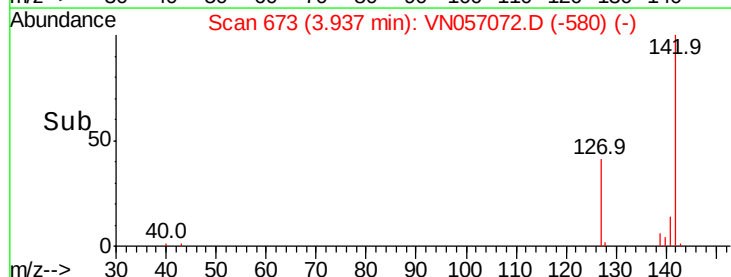
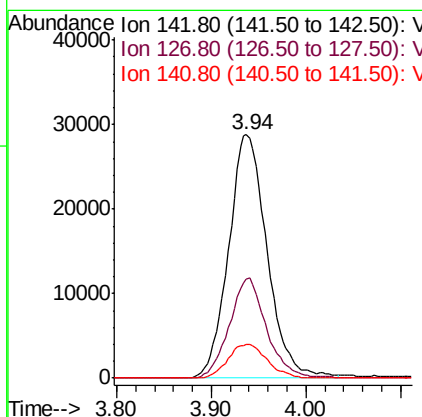
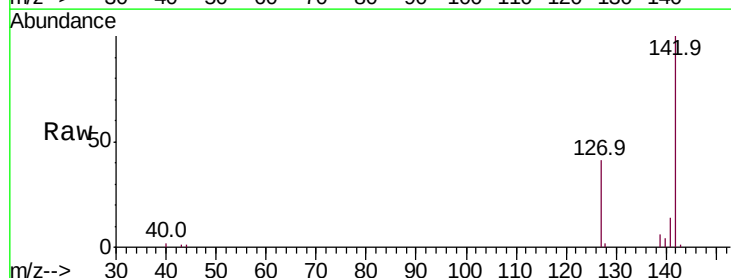
RT: 3.94 min Scan# 673

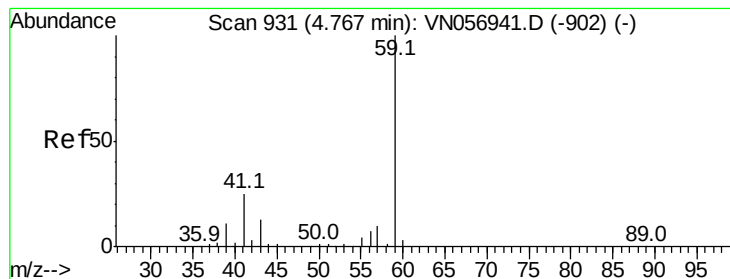
Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion:	142	Resp:	81322
Ion Ratio	Lower	Upper	
142	100		
127	39.3	30.4	45.6
141	14.0	11.1	16.7





#11

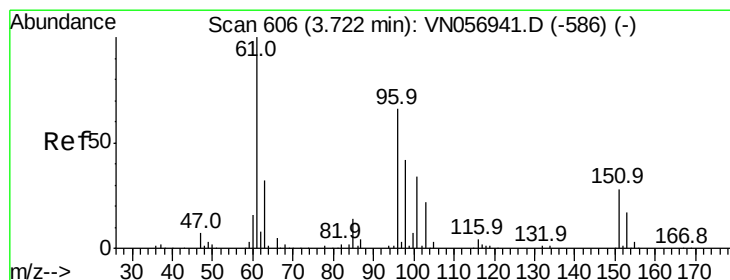
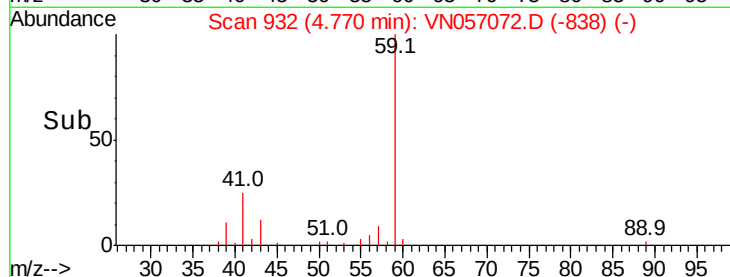
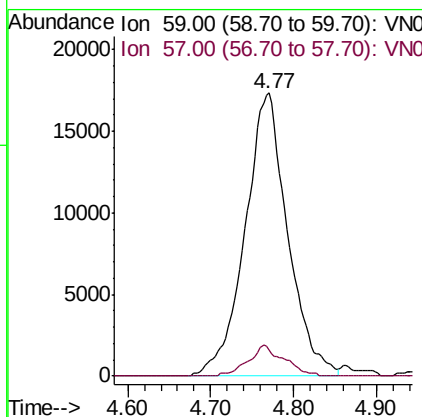
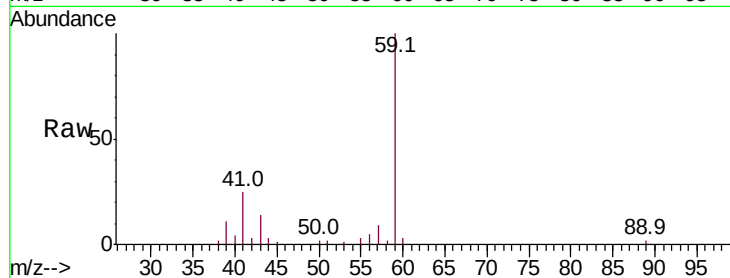
Tert butyl alcohol
 Concen: 93.203 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBS01

Tot Ion	59	57	Ratio	100	8.9	Resp	62235	Lower	Upper
59	100								
57		8.9						7.5	11.3

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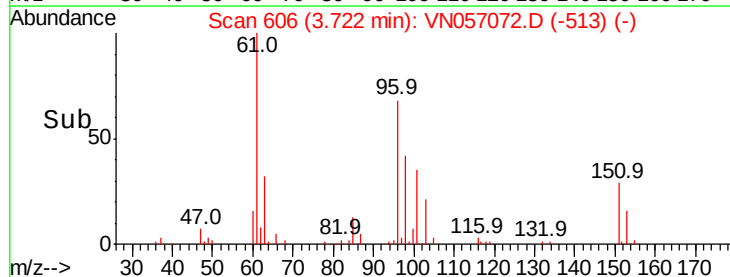
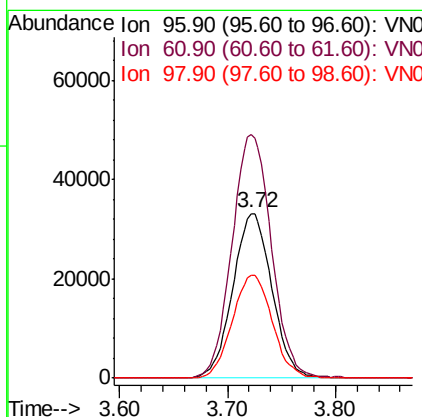
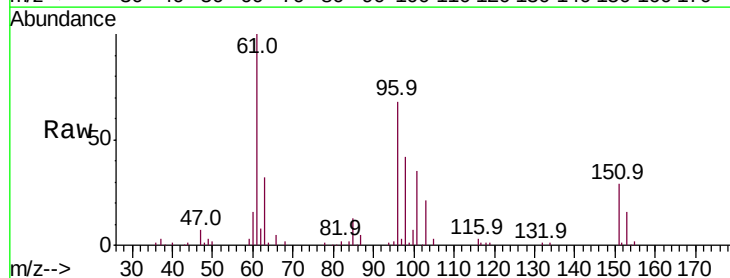
MMDadoda
 8/7/2019 4:09:45 AM

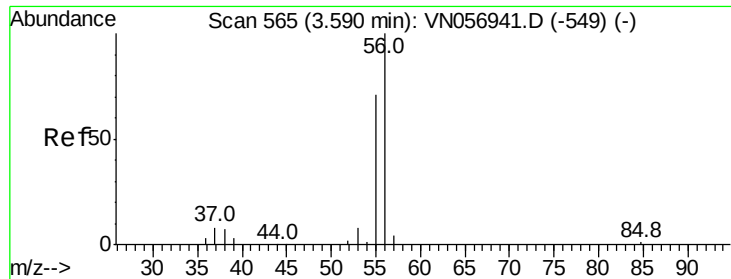


#12

1,1-Dichloroethene
 Concen: 19.741 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion	96	61	98	Ratio	100	147.9	62.7	Resp	83741	Lower	Upper
96	100										
61		147.9								121.8	182.8
98			62.7							51.7	77.5





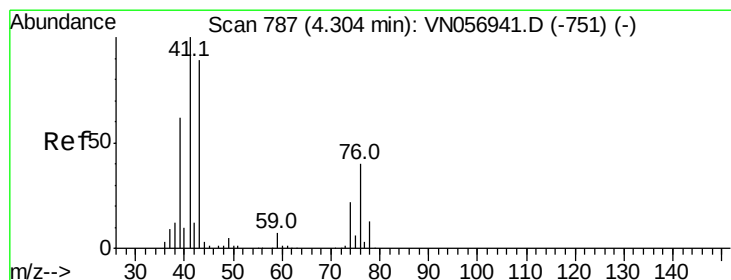
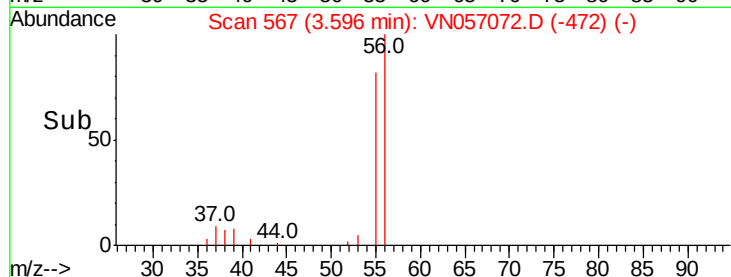
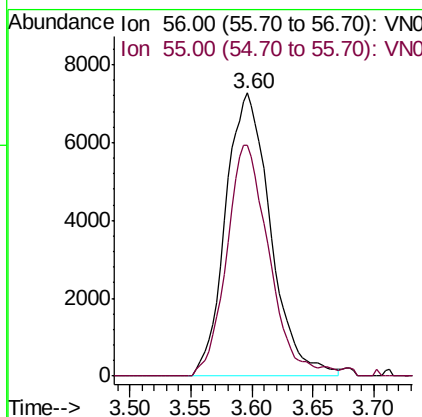
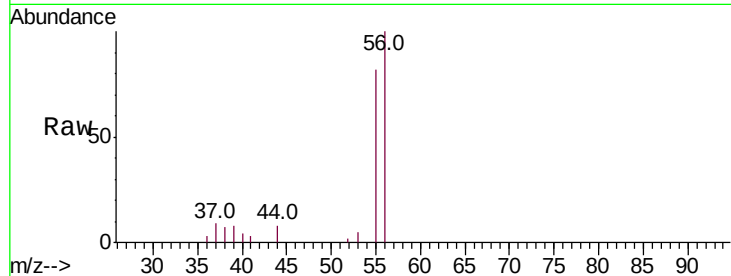
#13
Acrolein
Concen: 52.410 ug/l
RT: 3.60 min Scan# 567
Delta R.T. 0.01 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	56	Resp	18631
Ion Ratio	Lower	Upper	
56	100		
55	76.2	55.8	83.6

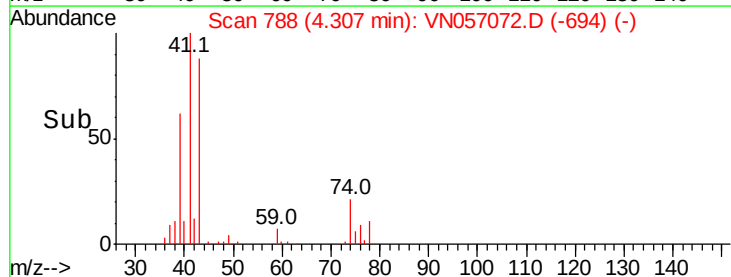
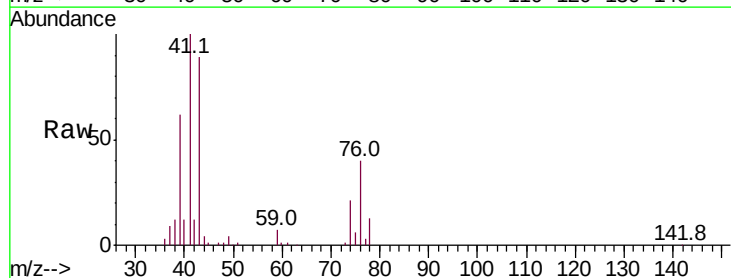
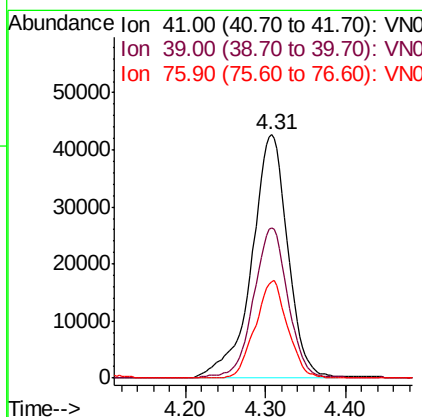
Manual Integrations
APPROVED

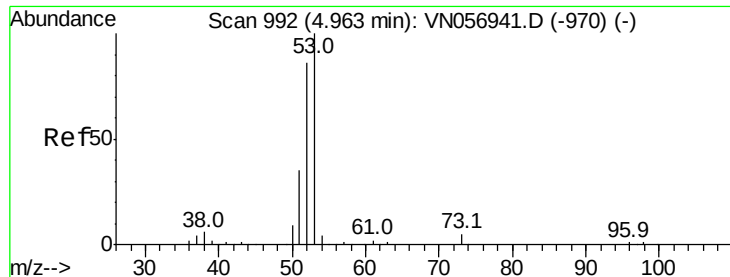
MMDadoda
8/7/2019 4:09:45 AM



#14
Allyl chloride
Concen: 19.128 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	41	Resp	131987
Ion Ratio	Lower	Upper	
41	100		
39	58.5	46.4	69.6
76	35.7	28.4	42.6





#15

Acrylonitrile

Concen: 94.457 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

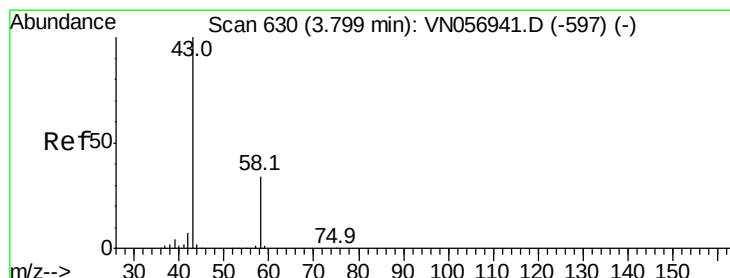
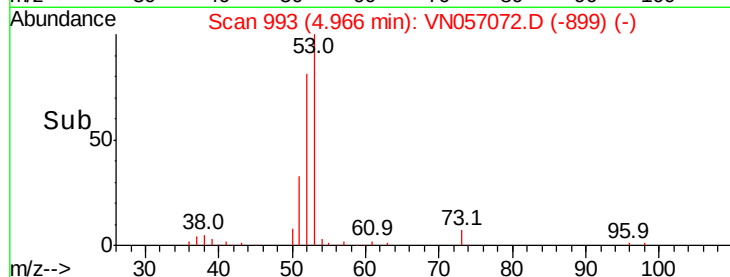
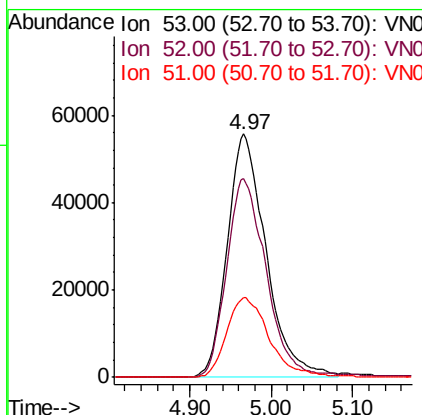
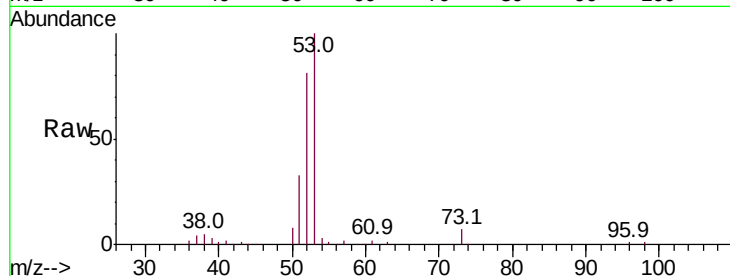
ClientSampleId :

VN0805WBS01

Tot Ion:	53	Resp:	184962
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 96.922 ug/l

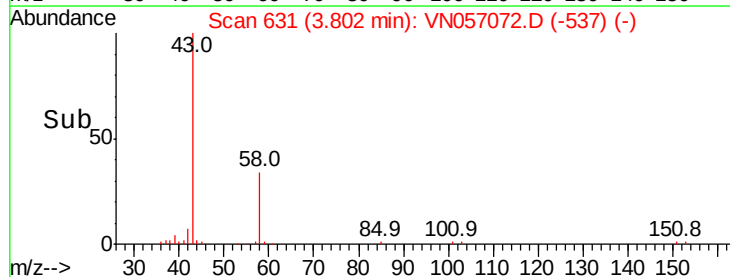
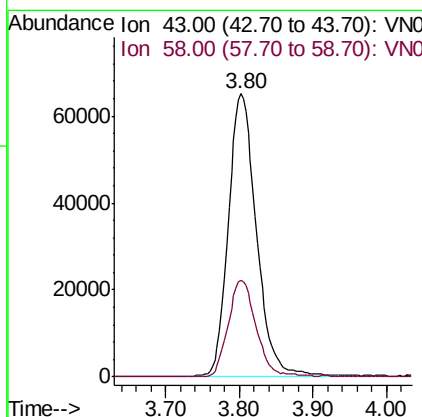
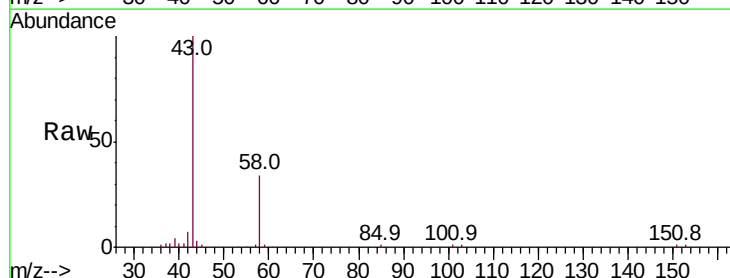
RT: 3.80 min Scan# 631

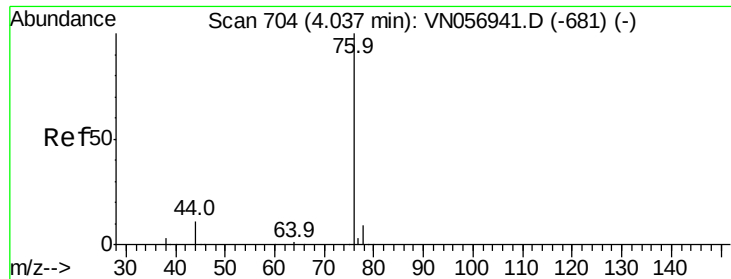
Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion:	43	Resp:	173458
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8





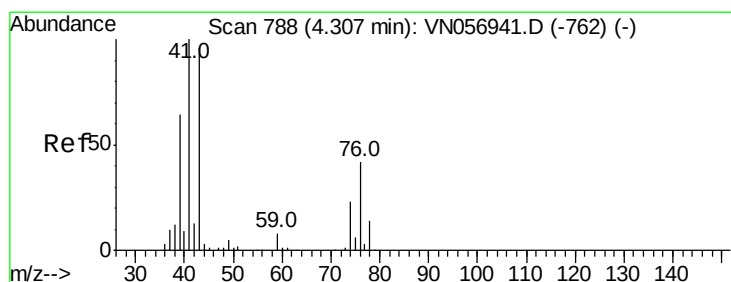
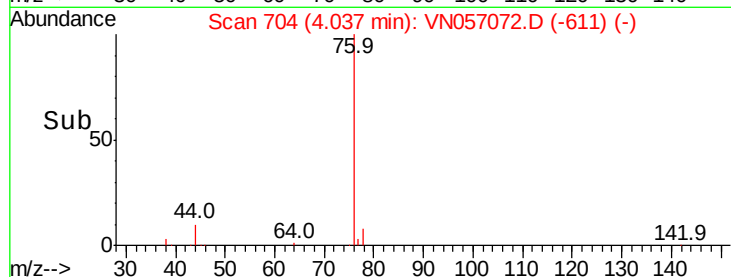
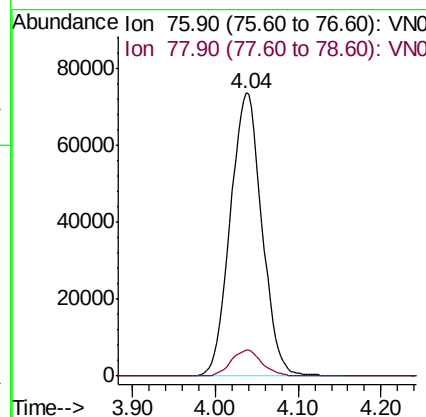
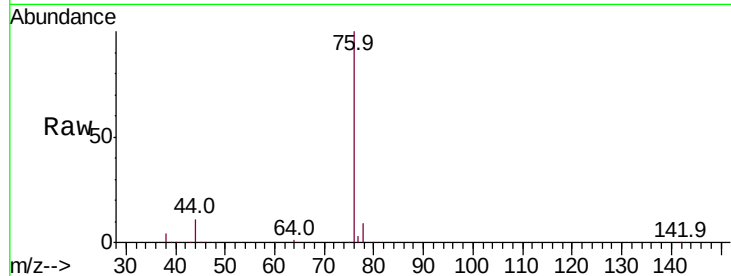
#17
Carbon Disulfide
Concen: 17.331 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

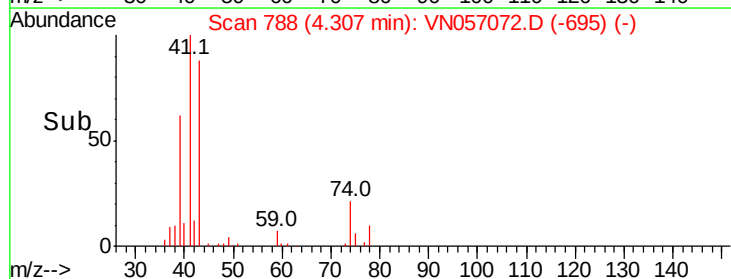
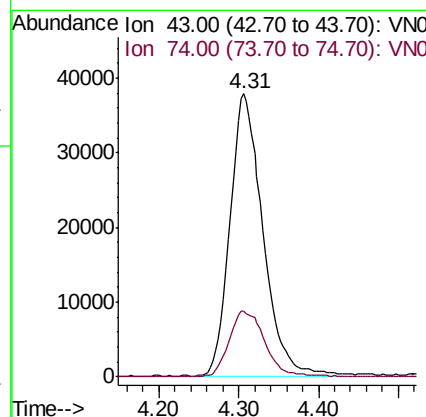
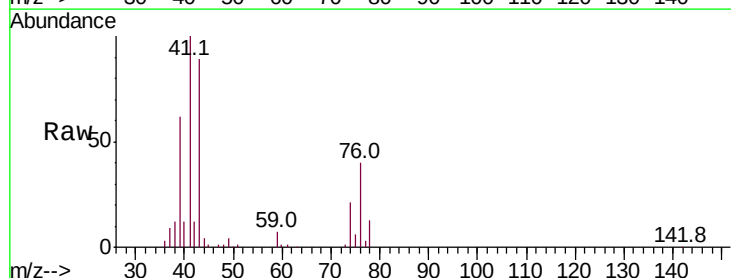
Manual Integrations
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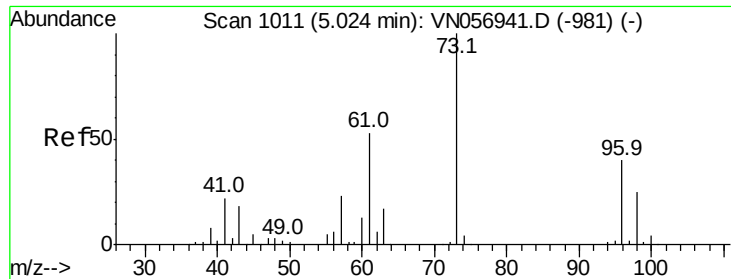
MMDadoda
8/7/2019 4:09:45 AM



#18
Methyl Acetate
Concen: 18.752 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.7	29.5





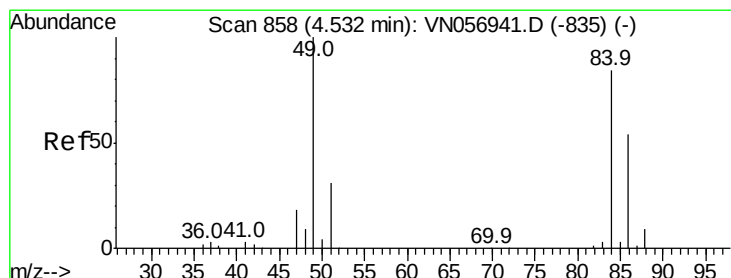
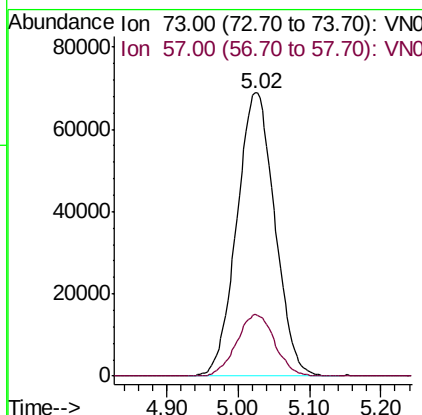
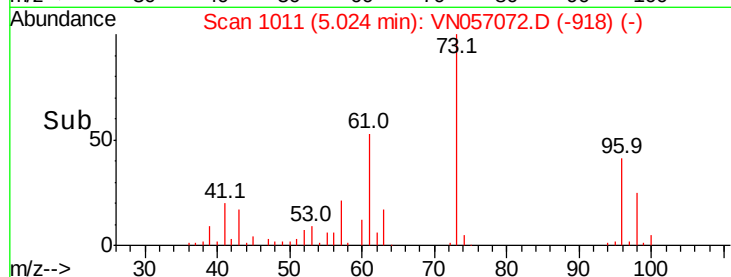
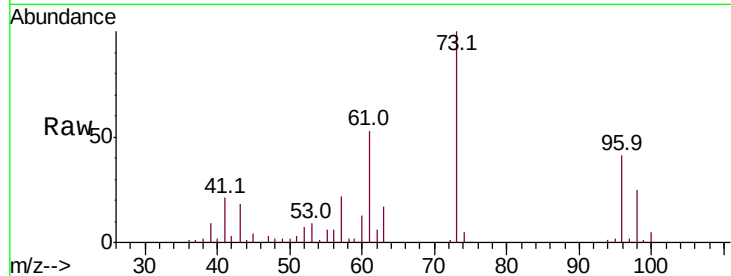
#19
Methyl tert-butyl Ether
Concen: 20.176 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion: 73 Resp: 255192
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5

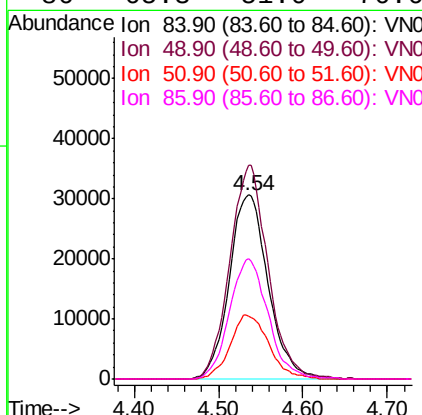
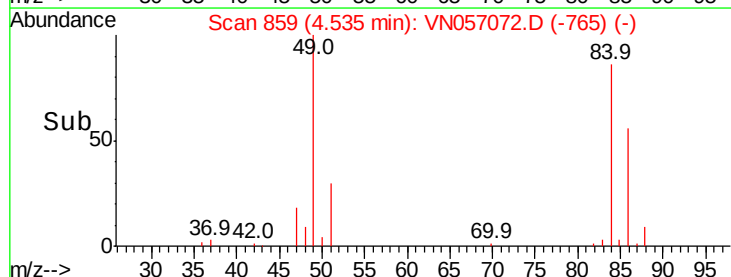
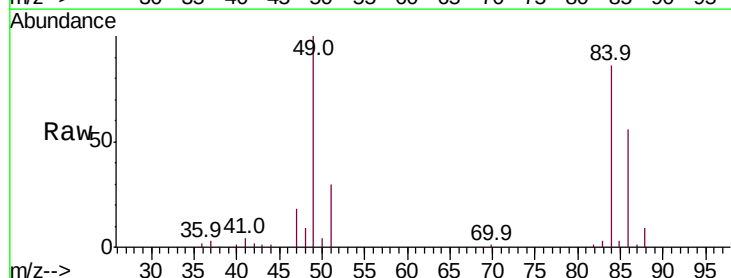
Manual Integrations
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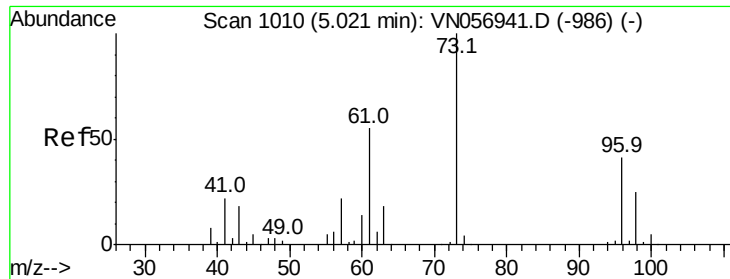
MMDadoda
8/7/2019 4:09:45 AM



#20
Methylene Chloride
Concen: 19.052 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 84 Resp: 98218
Ion Ratio Lower Upper
84 100
49 116.2 95.2 142.8
51 34.4 29.7 44.5
86 65.3 51.0 76.6





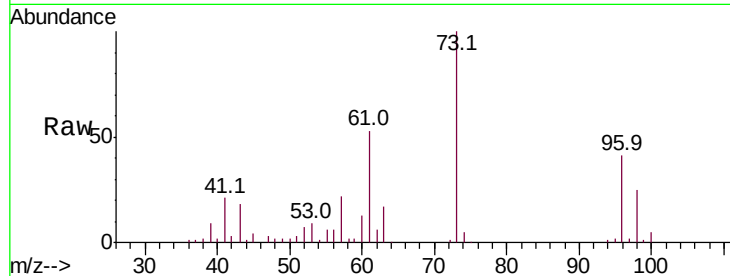
#21
trans-1,2-Dichloroethene
Concen: 19.389 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.4	107.5	161.3
98	60.7	49.9	74.9

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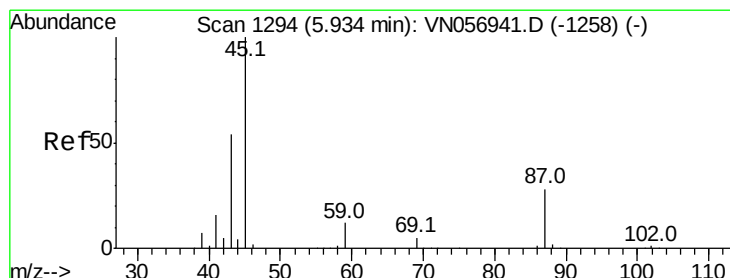
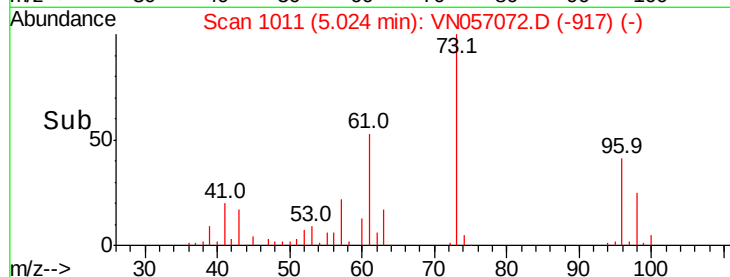
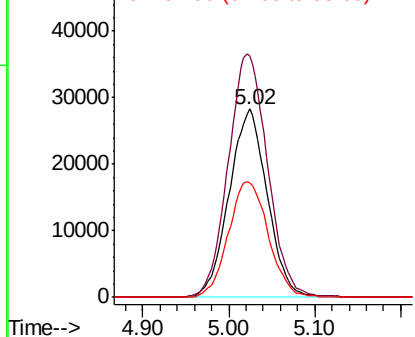


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 19.919 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	44.7	67.1
87	28.4	23.0	34.6
59	12.5	9.8	14.8

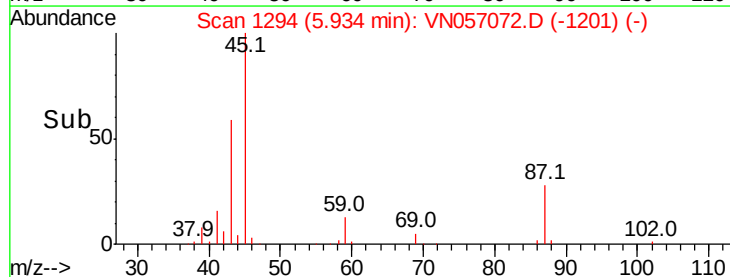
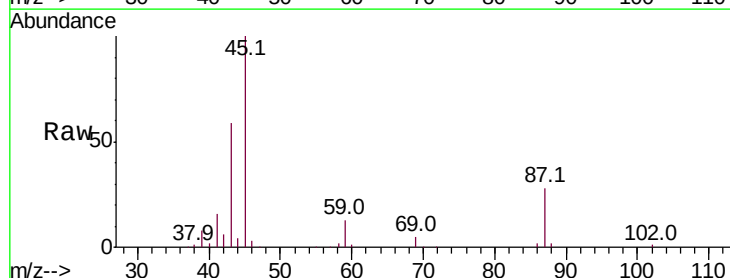
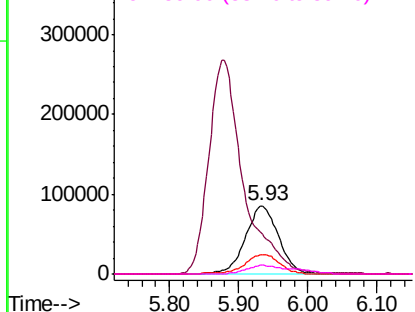
Abundance

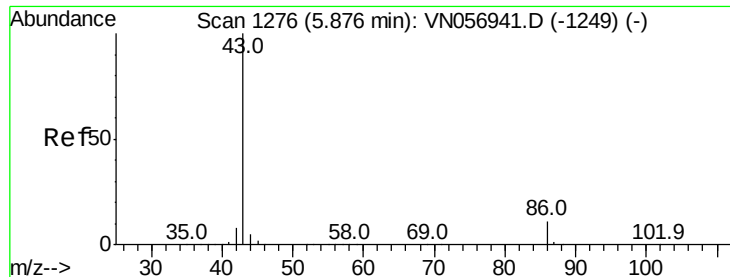
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 94.634 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0805WBS01

Tot Ion: 43 Resp: 932198

Ion Ratio Lower Upper

43 100

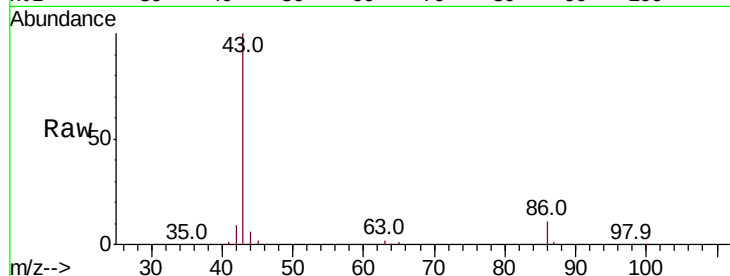
86 11.1 8.5 12.7

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

300000

250000

200000

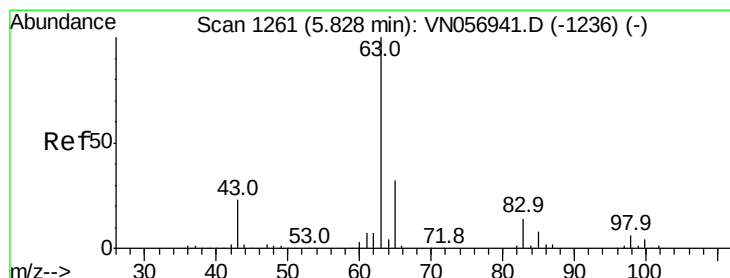
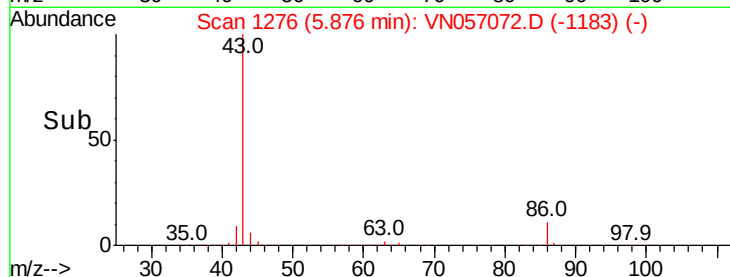
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.711 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

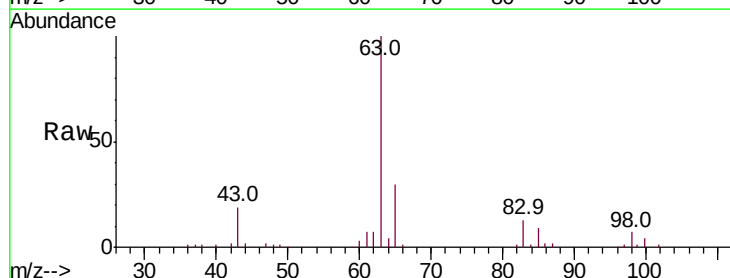
Tgt Ion: 63 Resp: 165342

Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

100 4.3 2.1 6.3



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

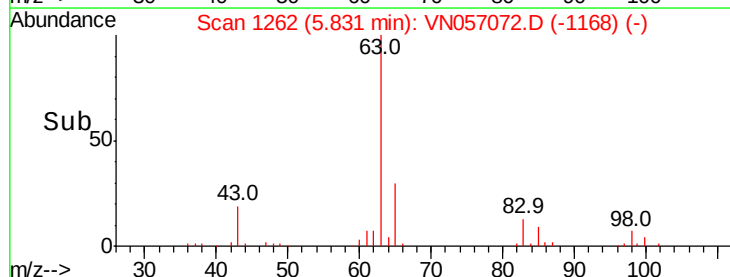
60000

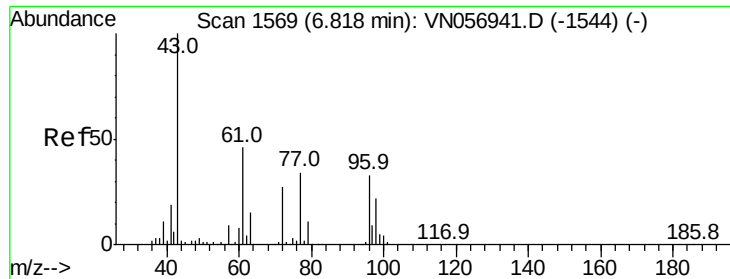
40000

20000

0

Time--> 5.70 5.80 5.90





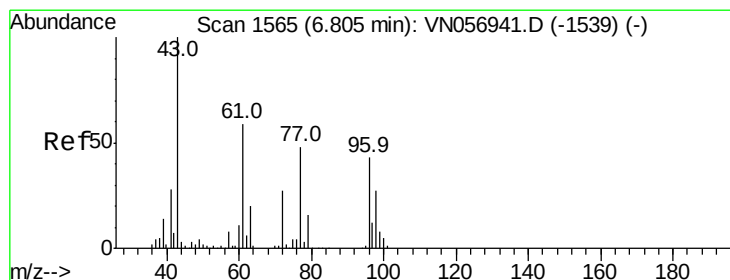
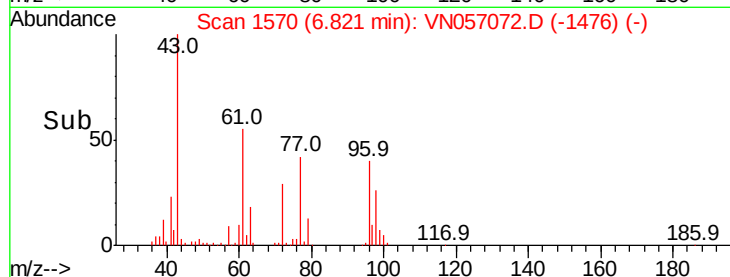
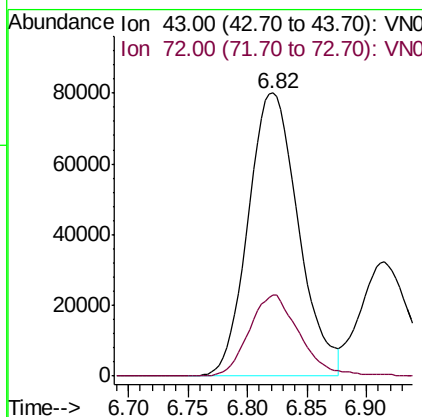
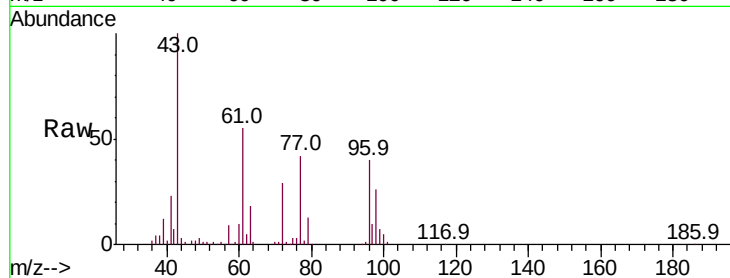
#25
2-Butanone
Concen: 92.364 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	43	Ratio	100	Resp	234395
Ion	43	100		Lower	Upper
	72	28.7		21.5	32.3

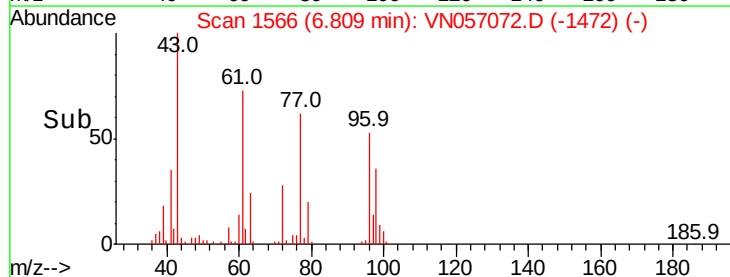
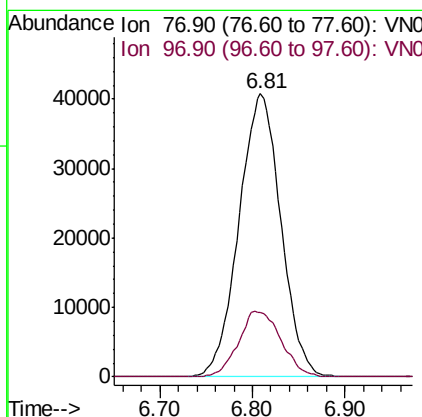
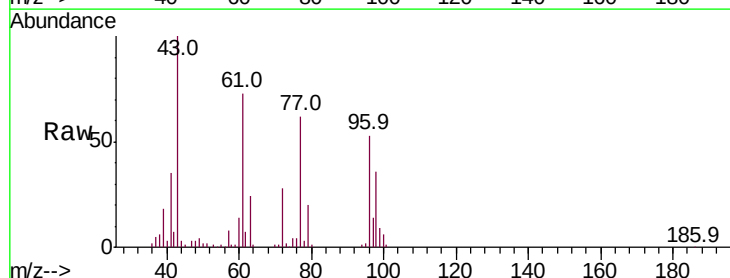
Manual Integrations
APPROVED

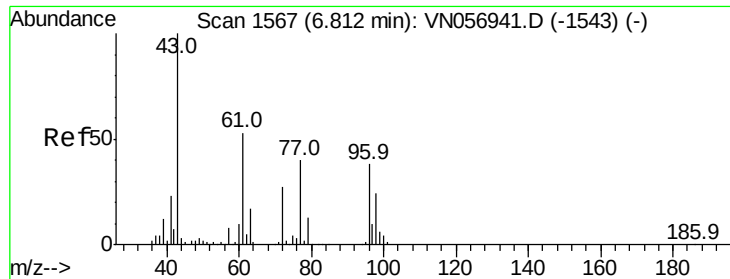
MMDadoda
8/7/2019 4:09:45 AM



#26
2,2-Dichloropropane
Concen: 20.021 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	77	Ratio	100	Resp	127696
Ion	77	100		Lower	Upper
	97	23.7		12.2	36.6





#27

cis-1,2-Dichloroethene

Concen: 19.726 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

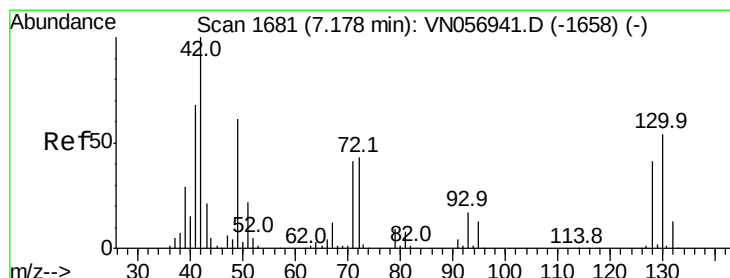
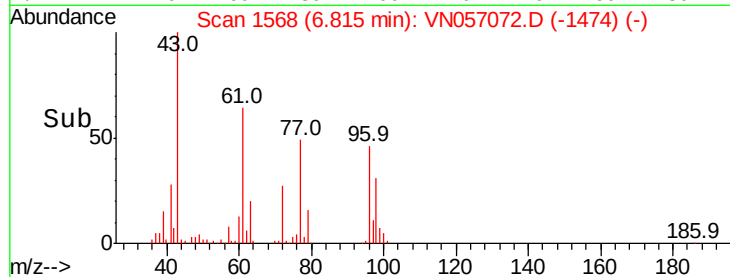
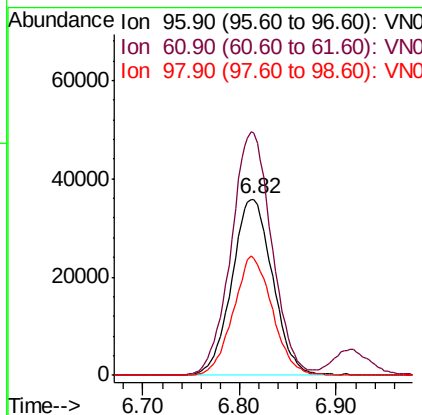
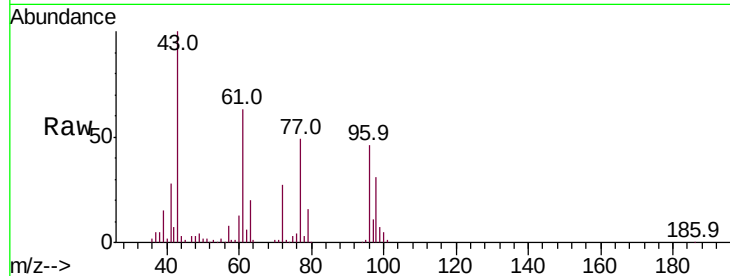
ClientSampleId :

VN0805WBS01

Tot Ion:	96	Resp:	105107
Ion Ratio	Lower	Upper	
96	100		
61	137.1	0.0	277.2
98	64.9	0.0	128.4

Manual Integrations
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MMDadoda
8/7/2019 4:09:45 AM



#28

Bromochloromethane

Concen: 19.453 ug/l

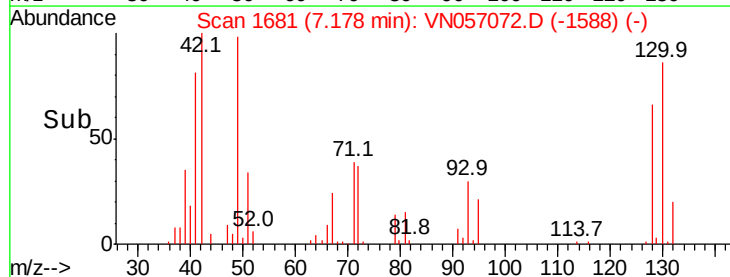
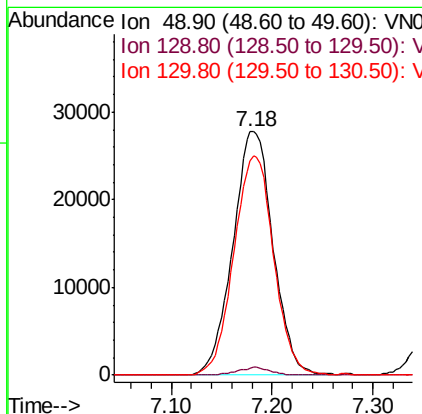
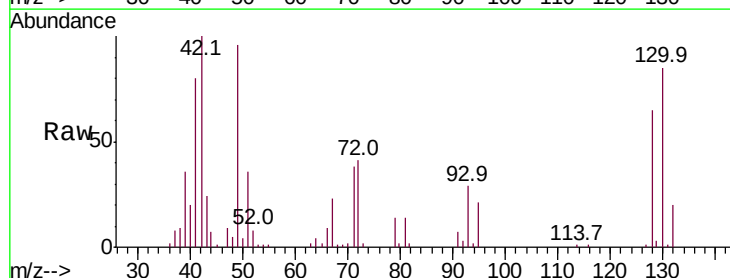
RT: 7.18 min Scan# 1681

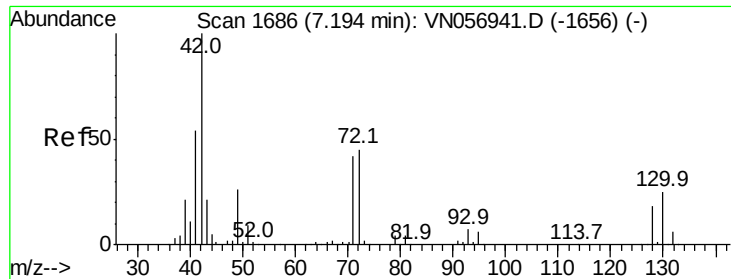
Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion:	49	Resp:	76701
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	4.6
130	89.1	69.0	103.4





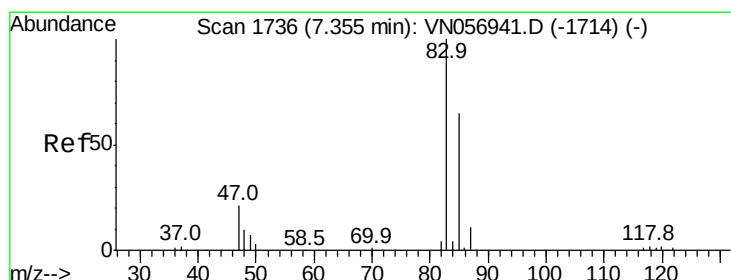
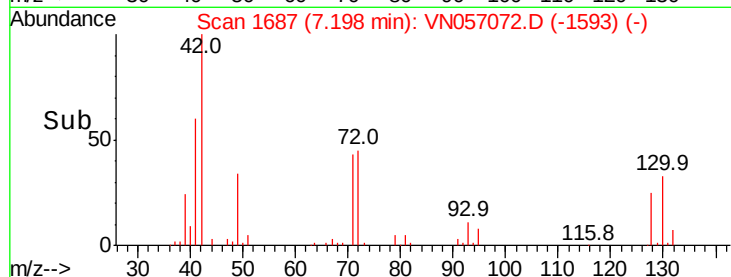
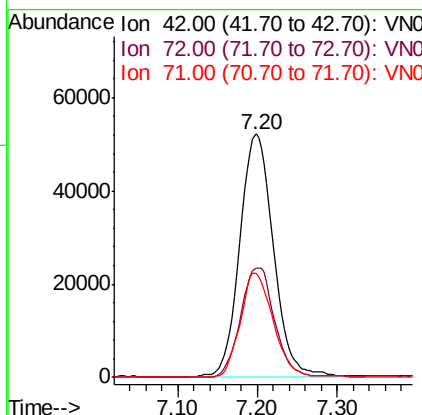
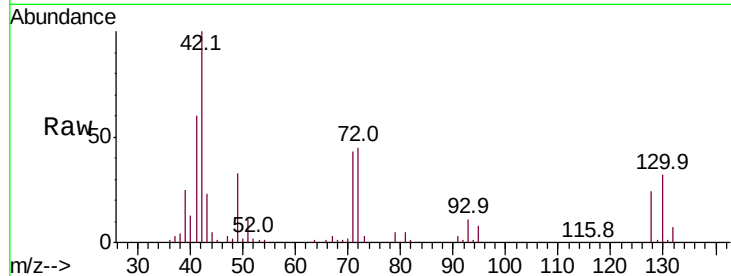
#29
Tetrahydrofuran
Concen: 90.200 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.6	53.4
71	41.6	33.5	50.3

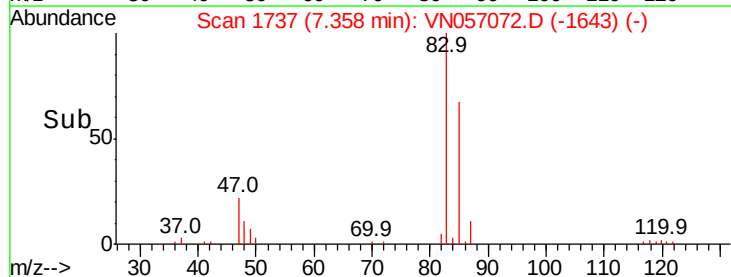
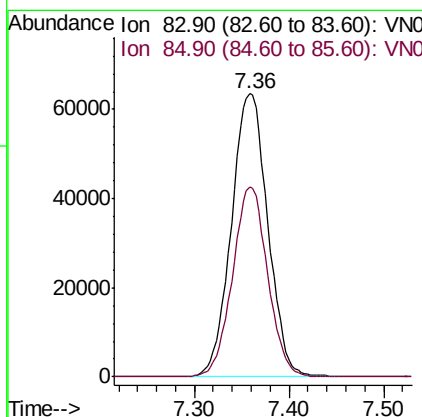
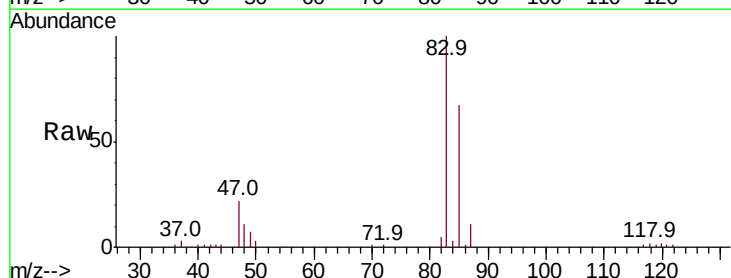
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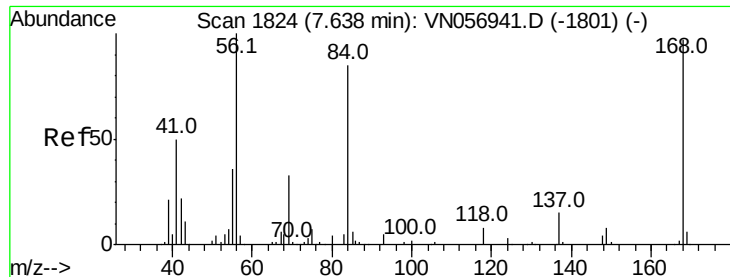
MMDadoda
8/7/2019 4:09:45 AM



#30
Chloroform
Concen: 19.790 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.2	78.2





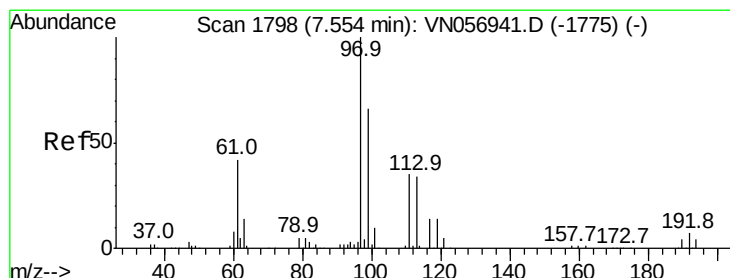
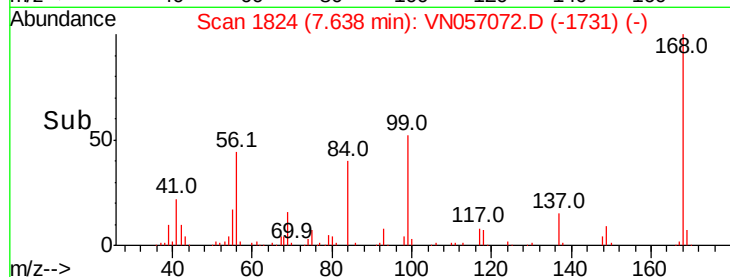
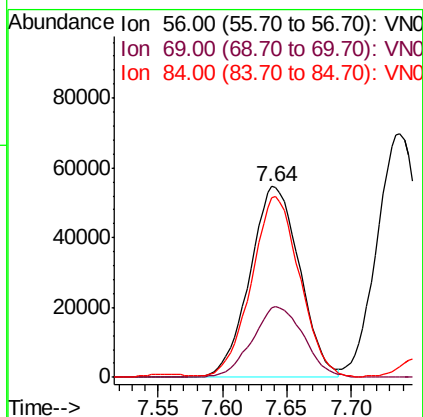
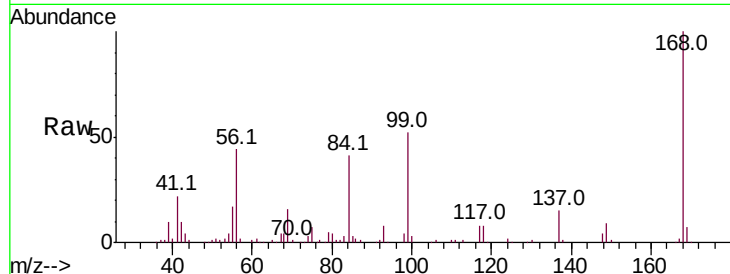
#31
Cyclohexane
Concen: 18.157 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.2	39.2
84	93.1	68.2	102.2

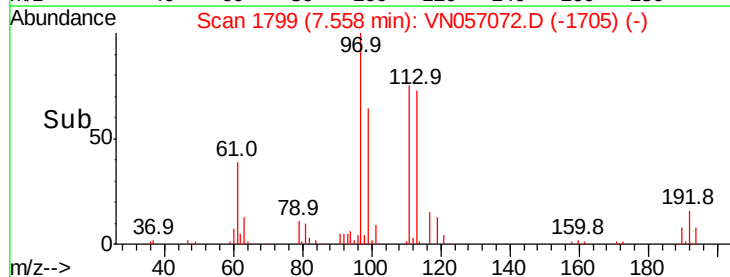
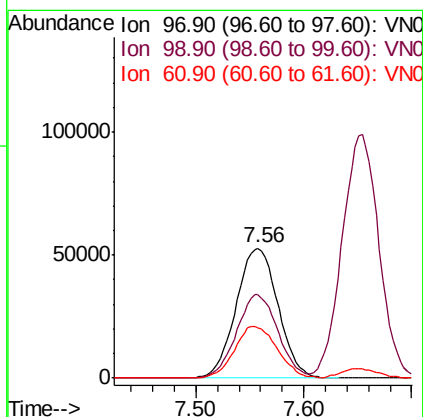
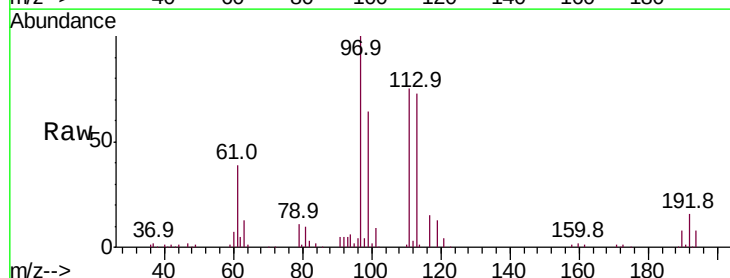
Manual Integrations
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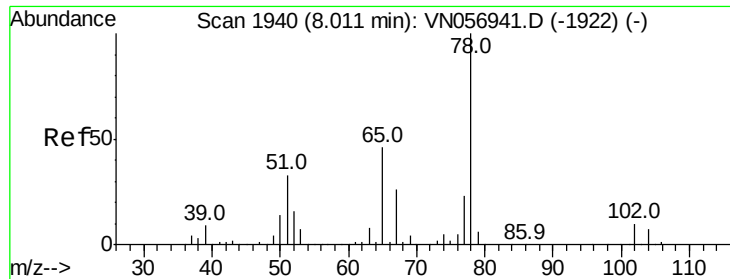
MMDadoda
8/7/2019 4:09:45 AM



#32
1,1,1-Trichloroethane
Concen: 20.839 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.3	78.5
61	40.7	33.9	50.9





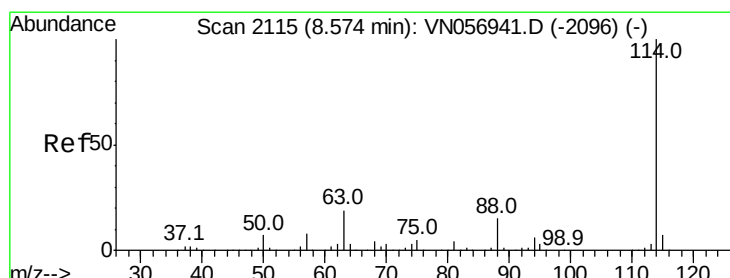
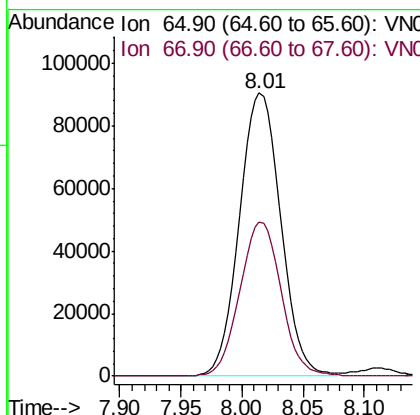
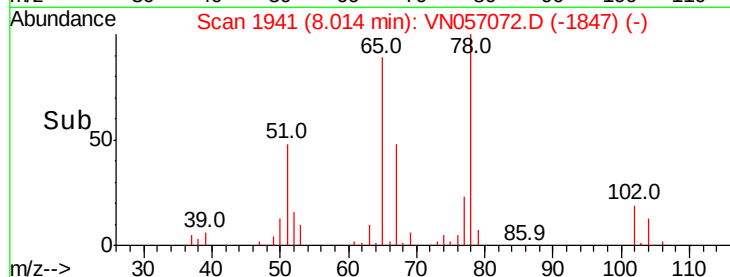
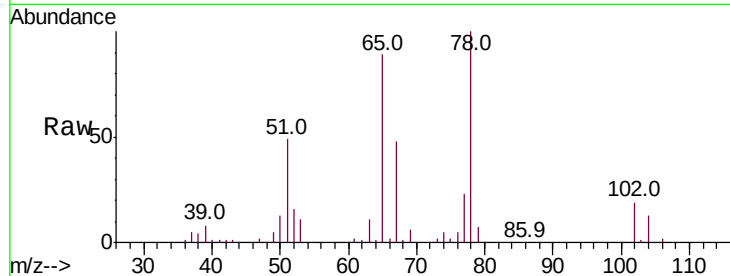
#33
 1,2-Dichloroethane-d4
 Concen: 42.965 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0805WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212248		
67	54.5	0.0	112.0	

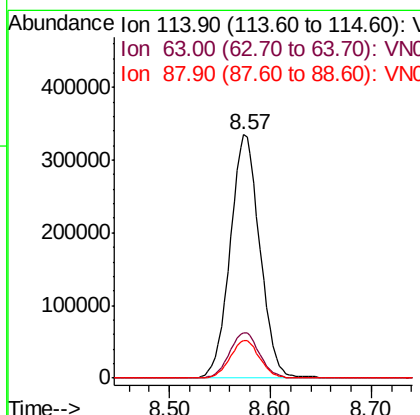
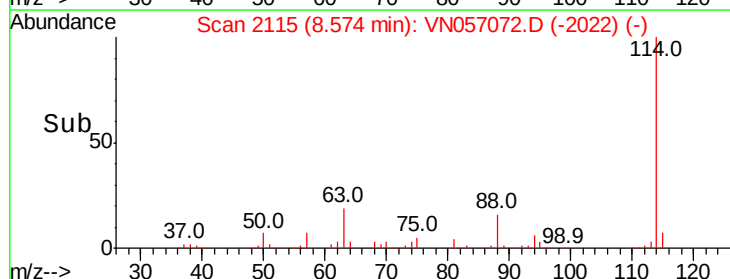
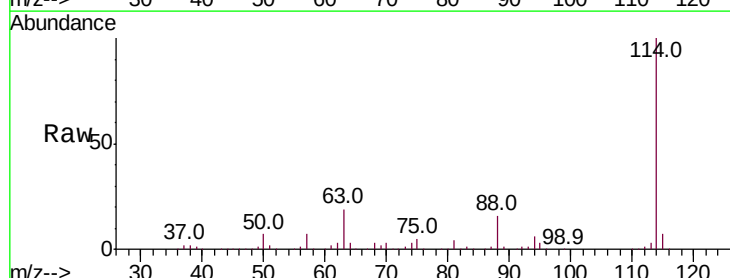
Manual Integrations
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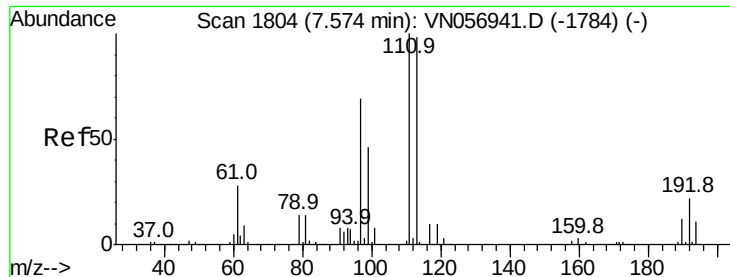
MMDadoda
 8/7/2019 4:09:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	685500		
63	18.8	0.0	38.0	
88	15.5	0.0	30.0	





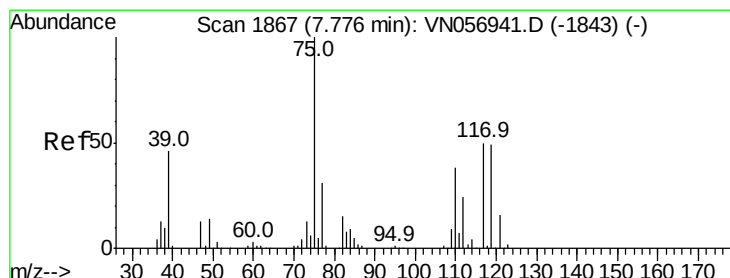
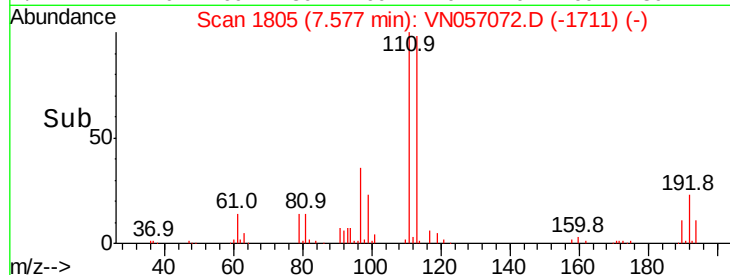
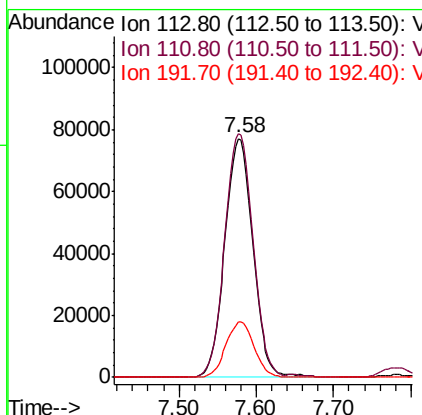
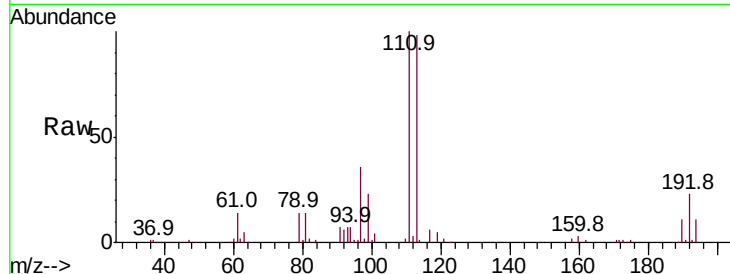
#35
 Dibromofluoromethane
 Concen: 44.305 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0805WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	194425		
111	102.5	82.0	123.0	
192	23.2	18.4	27.6	

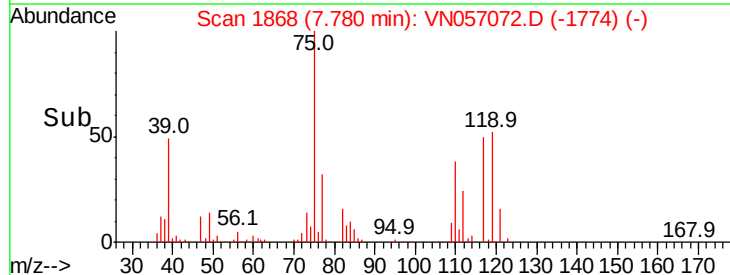
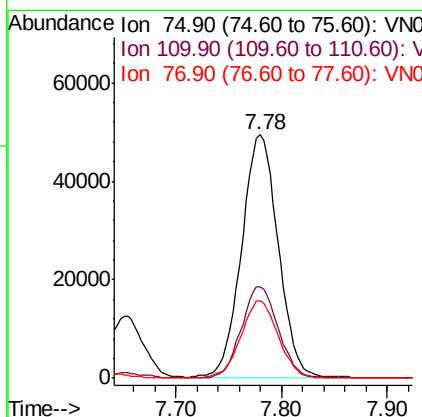
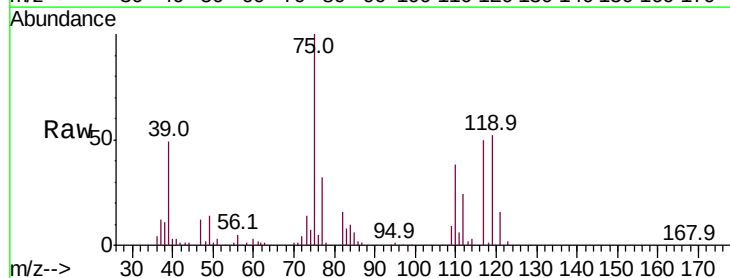
Manual Integrations
 APPROVED

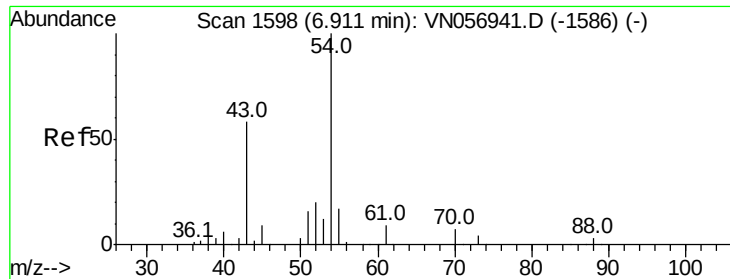
MMDadoda
 8/7/2019 4:09:45 AM



#36
 1,1-Dichloropropene
 Concen: 19.699 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118821		
110	37.7	18.6	55.8	
77	32.4	25.2	37.8	





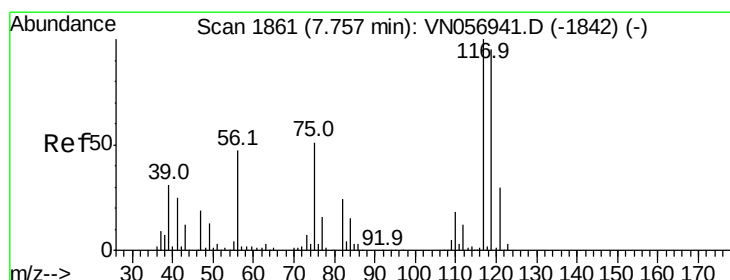
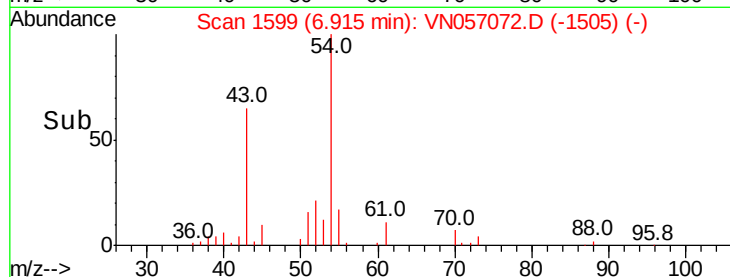
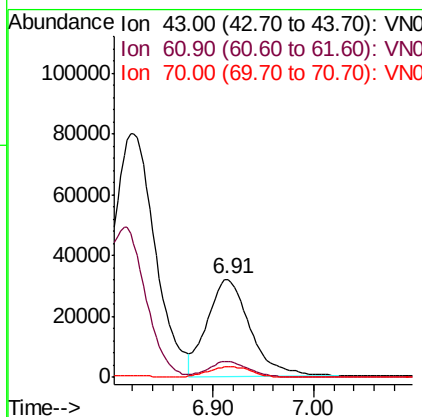
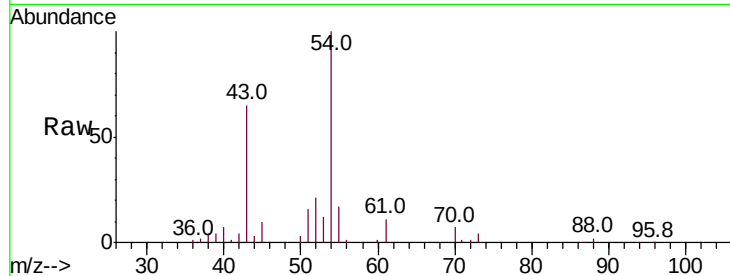
#37
Ethyl Acetate
Concen: 19.463 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :
VN0805WBS01

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	14.5	11.2
Lower		11.8	8.5
Upper		17.6	12.7

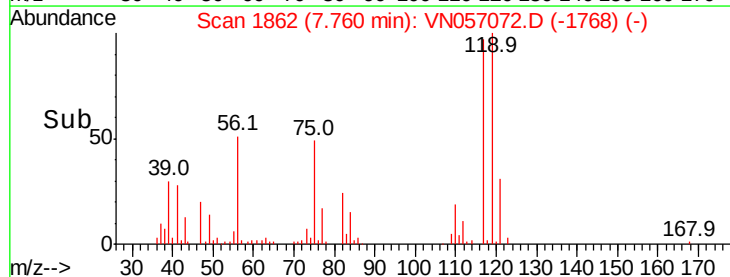
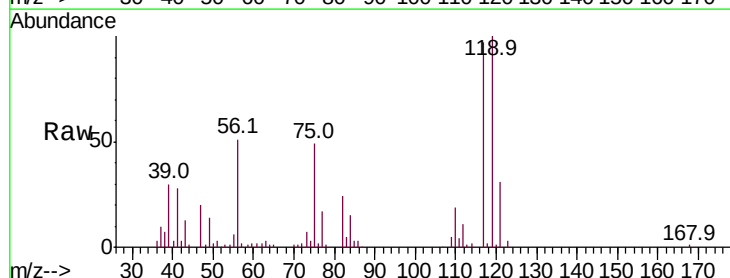
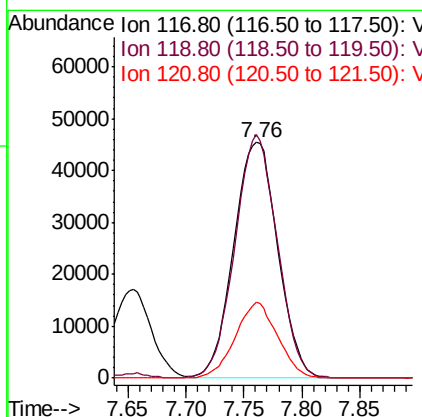
Manual Integrations
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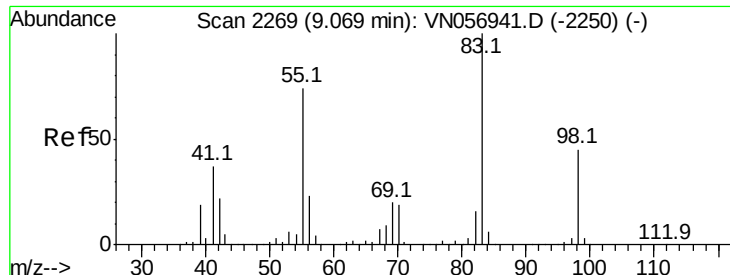
MMDadoda
8/7/2019 4:09:45 AM



#38
Carbon Tetrachloride
Concen: 21.052 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	103.4	32.1
Lower		75.3	24.2
Upper		112.9	36.4





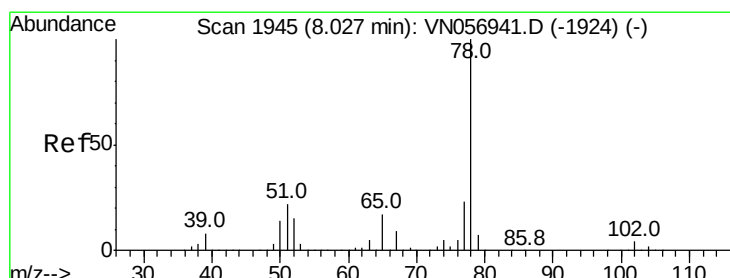
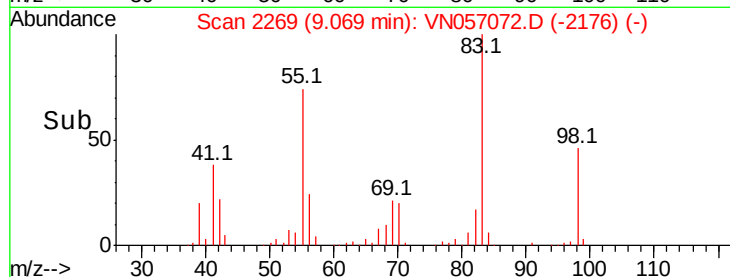
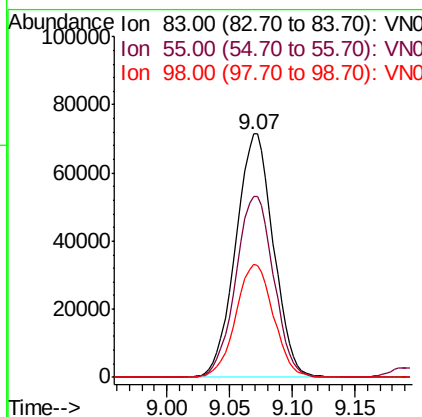
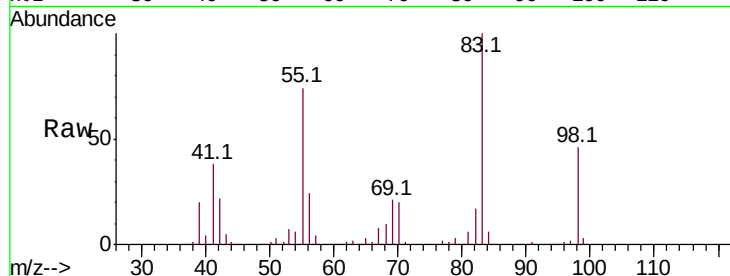
#39
Methylvlcyclohexane
Concen: 19.419 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	83	Resp	149707
Ion Ratio	100	Lower	Upper
83	100		
55	74.4	59.0	88.6
98	46.3	36.2	54.4

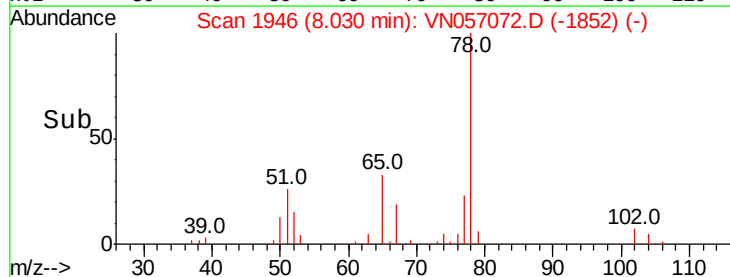
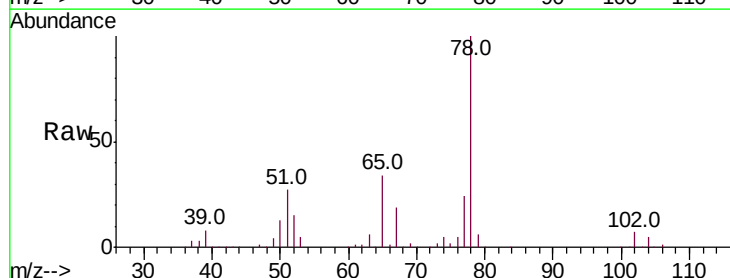
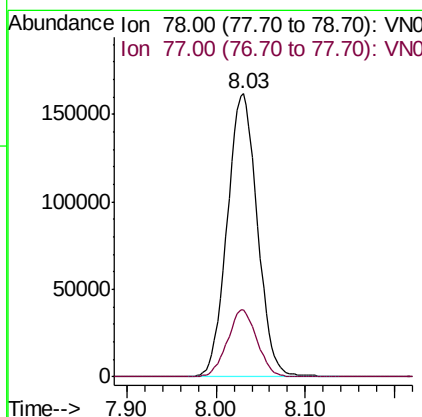
Manual Integrations
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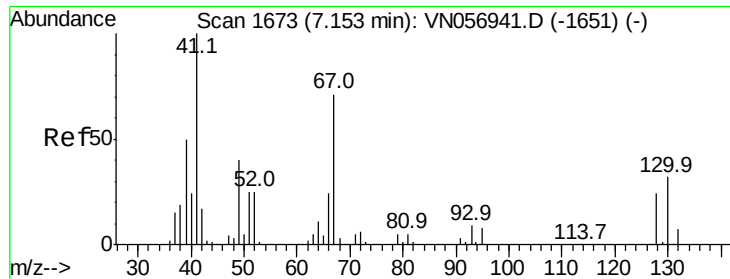
MMDadoda
8/7/2019 4:09:45 AM



#40
Benzene
Concen: 20.409 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	78	Resp	379160
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.3	27.5





#41

Methacrylonitrile

Concen: 22.745 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.01 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VN0805WBS01

Tot Ion: 41 Resp: 50798

Ion Ratio Lower Upper

41 100

39 56.7 48.9 73.3

67 81.4 83.4 125.0#

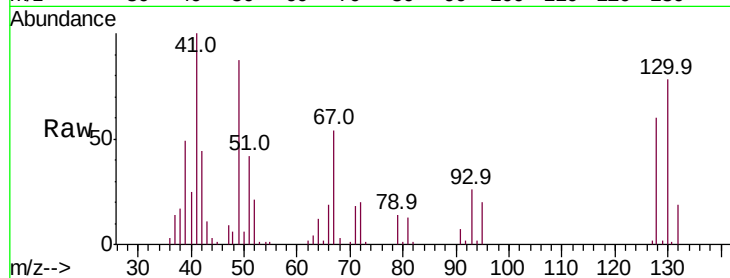
52 30.9 30.9 46.3

Manual Integrations

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MMDadoda

8/7/2019 4:09:45 AM

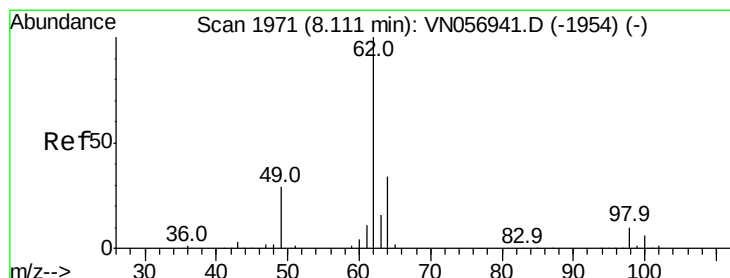
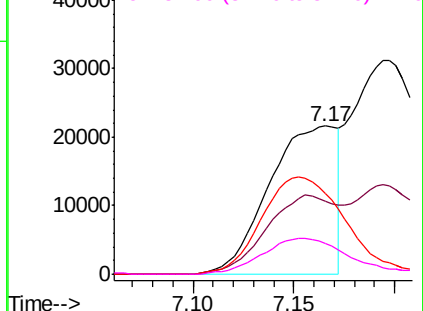
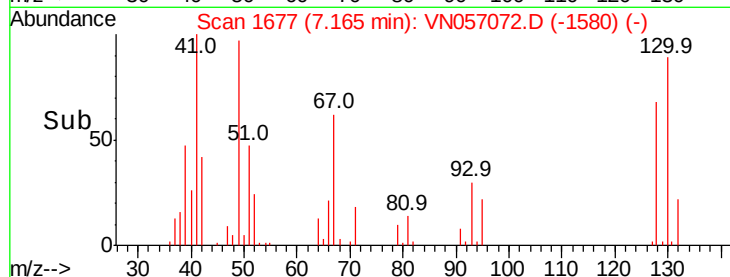


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.759 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057072.D

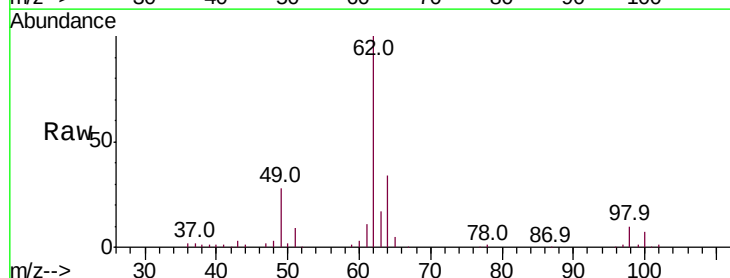
Acq: 5 Aug 2019 10:45

Tgt Ion: 62 Resp: 120872

Ion Ratio Lower Upper

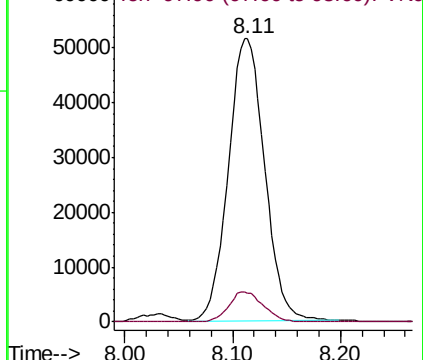
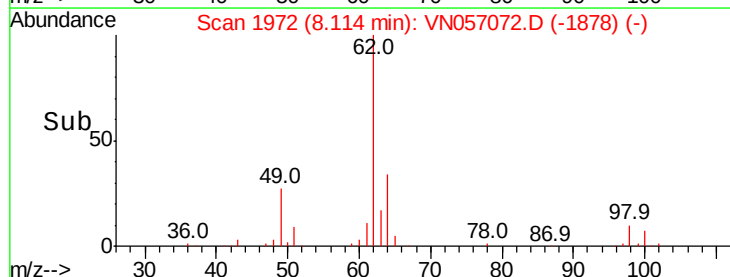
62 100

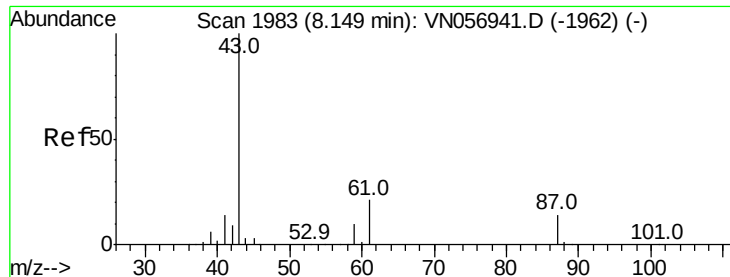
98 10.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.012 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

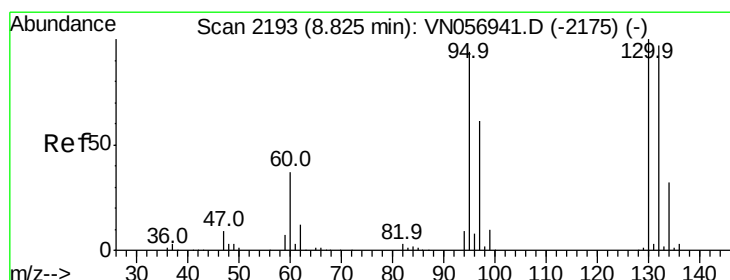
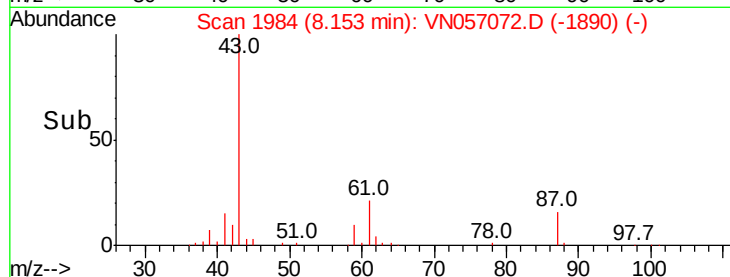
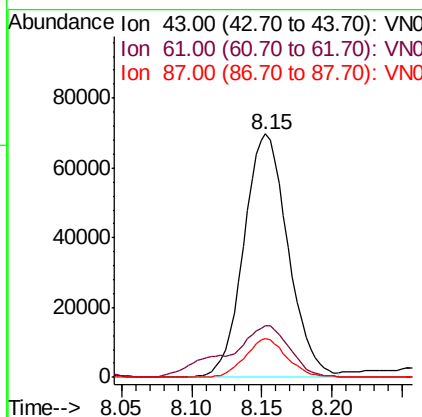
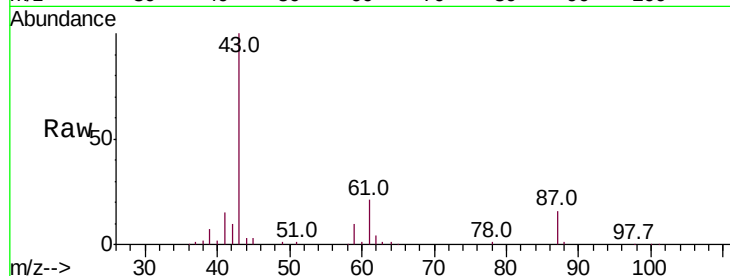
ClientSampleId :

VN0805WBS01

Tot Ion:	43	Resp:	151805
Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.0	34.6
87	15.2	11.7	17.5

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#44

Trichloroethene

Concen: 20.517 ug/l

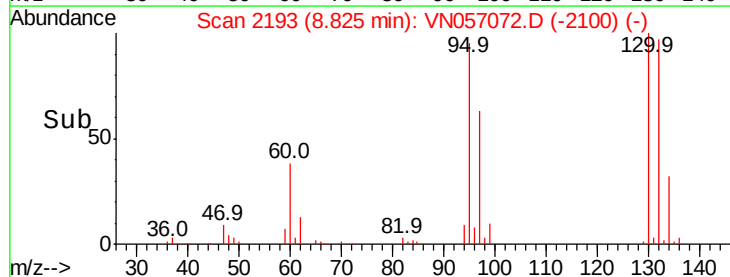
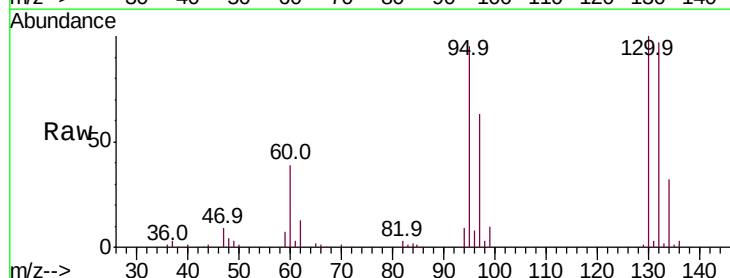
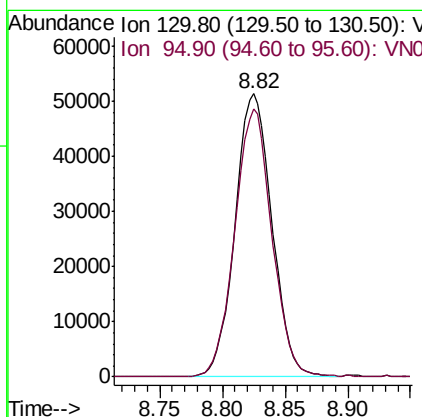
RT: 8.82 min Scan# 2193

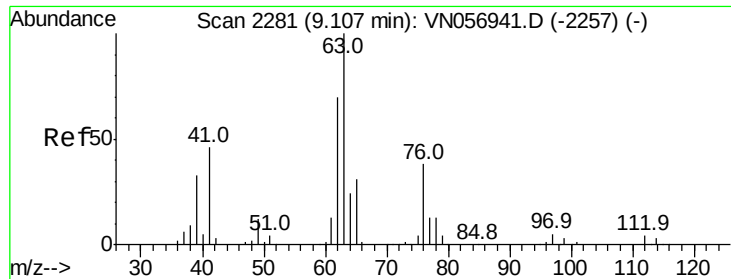
Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion:	130	Resp:	105013
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	189.0





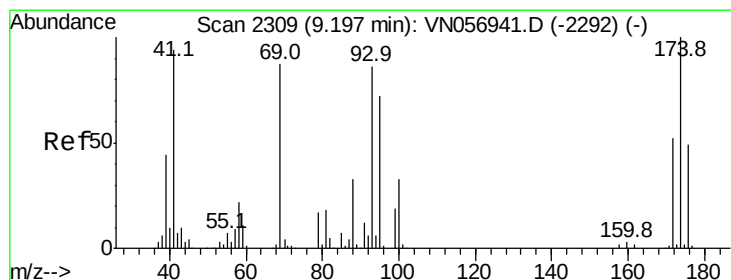
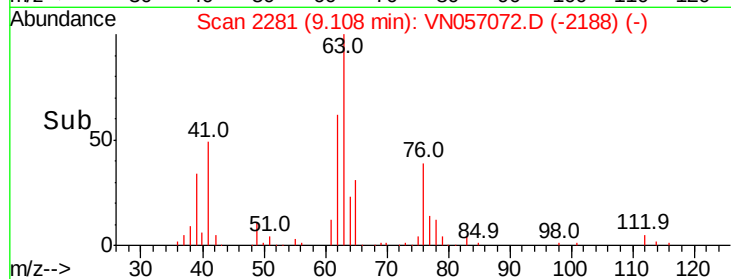
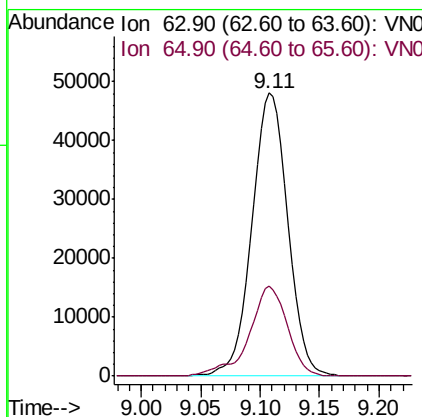
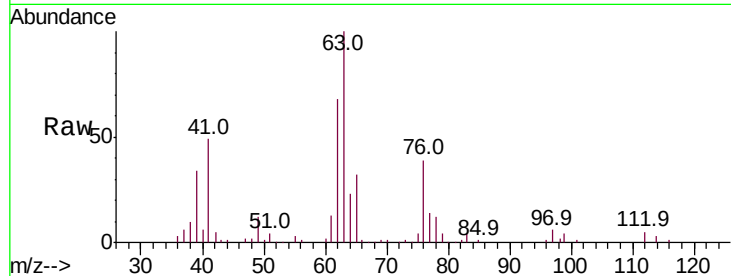
#45
 1,2-Dichloropropane
 Concen: 20.187 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0805WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.8	37.2

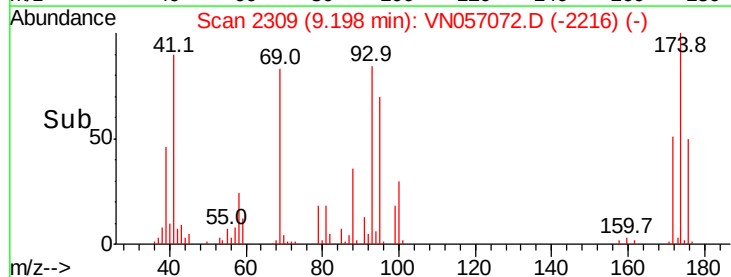
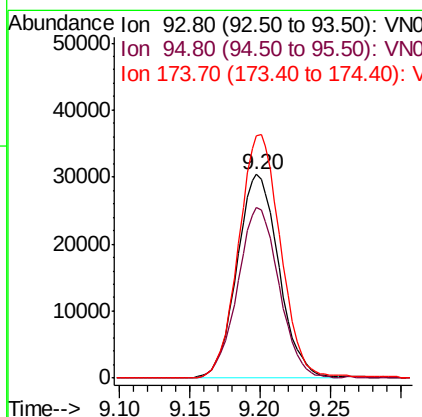
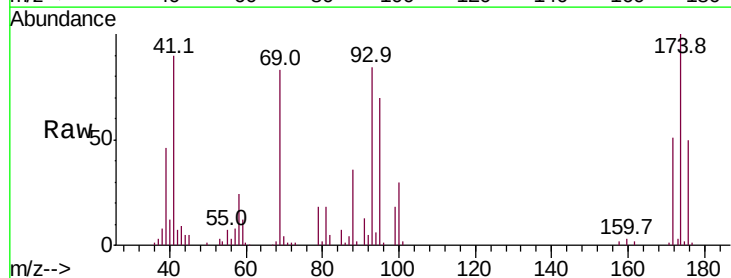
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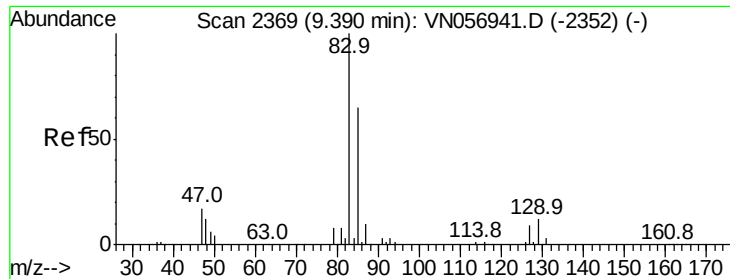
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#46
 Dibromomethane
 Concen: 21.077 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	67.0	100.6
174	119.8	92.7	139.1





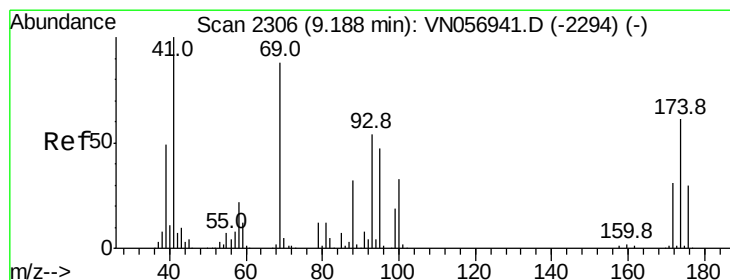
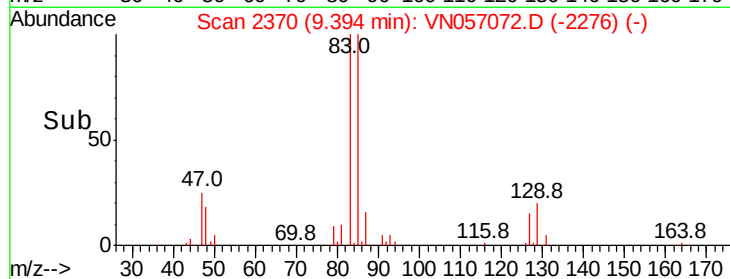
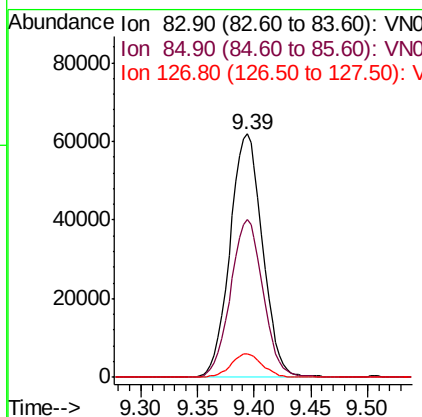
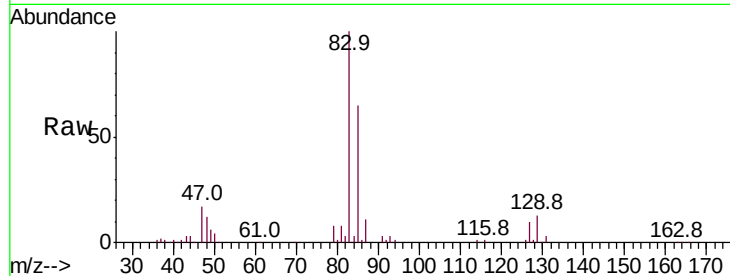
#47
Bromodichloromethane
Concen: 21.050 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.6	77.4
127	9.7	7.3	10.9

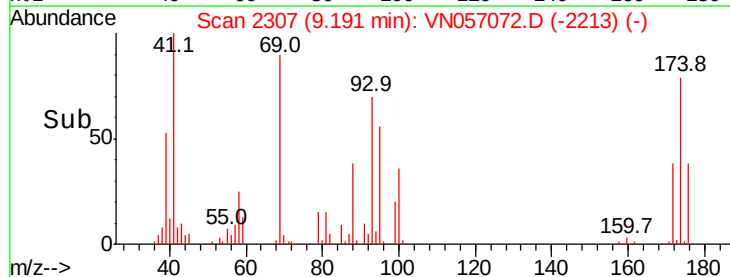
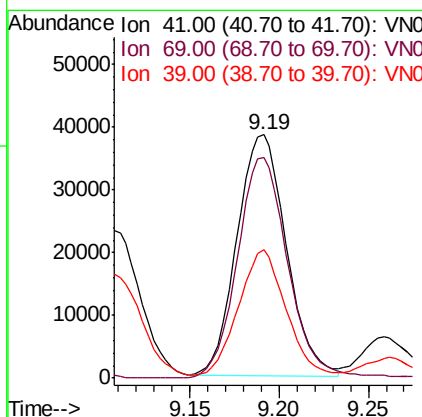
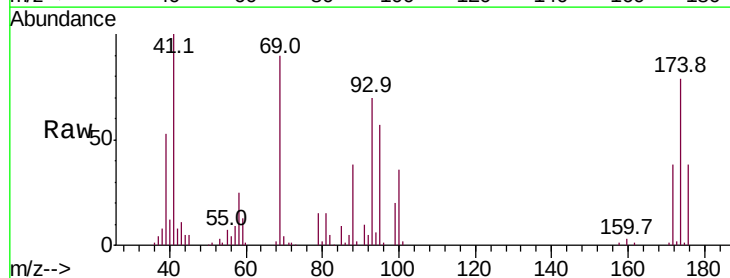
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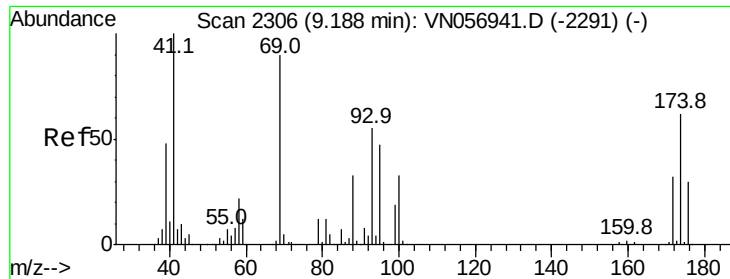
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#48
Methyl methacrylate
Concen: 19.272 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.1	73.4	110.0
39	51.8	39.9	59.9





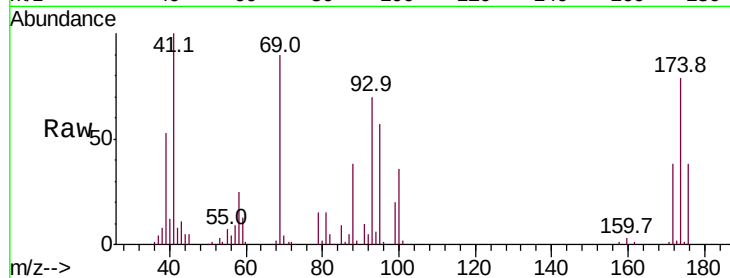
#49
1,4-Dioxane
Concen: 400.214 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.1	22.2	33.2
58	66.6	54.1	81.1

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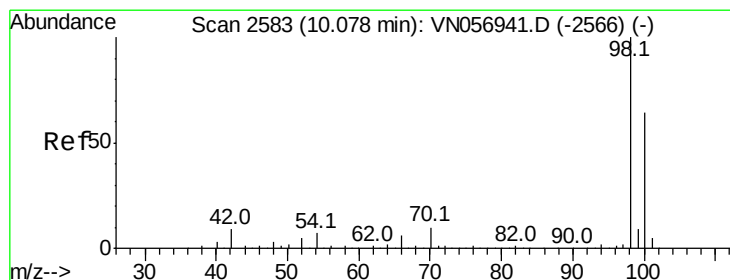
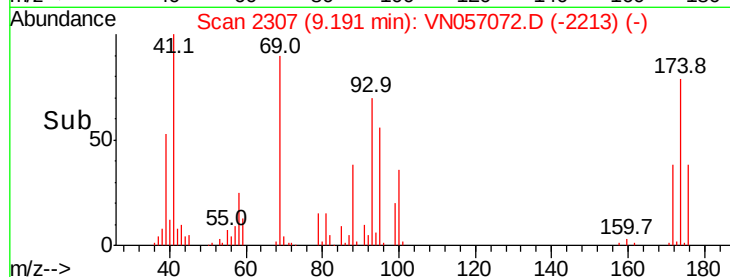
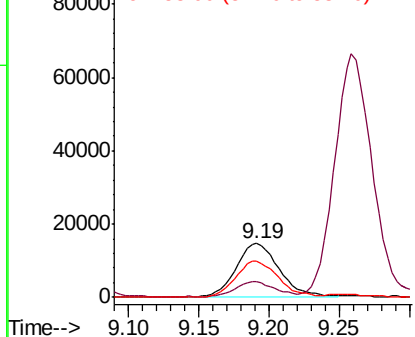


Abundance

Ion 88.00 (87.70 to 88.70): VN0

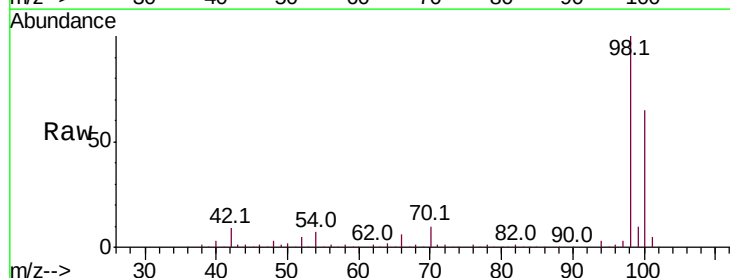
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 42.639 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

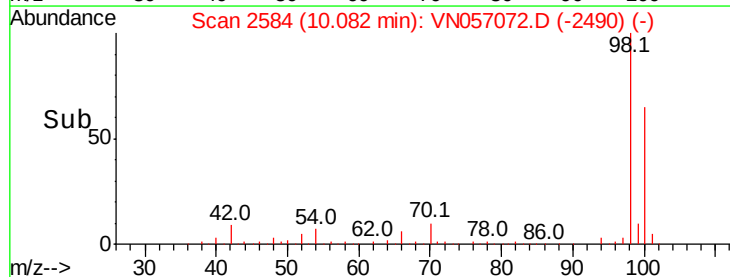
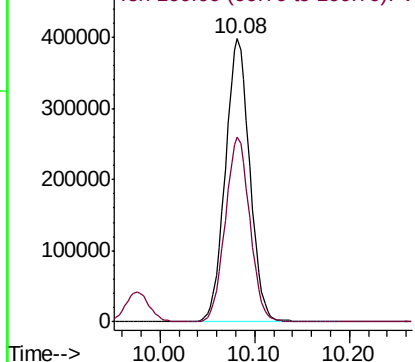
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.3	76.9

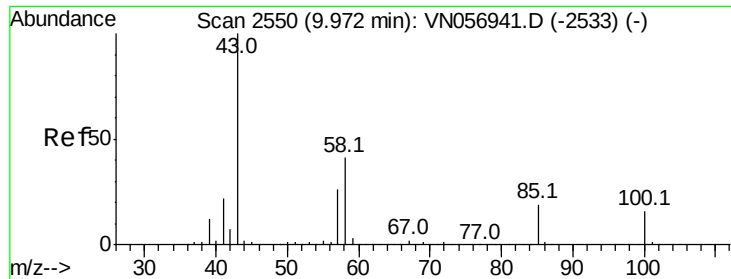


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.558 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VN0805WBS01

Tot Ion: 43 Resp: 458103

Ion Ratio Lower Upper

43 100

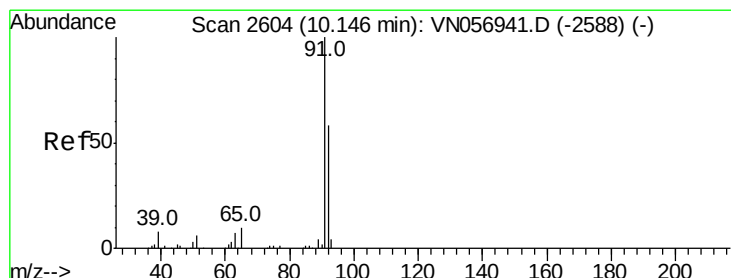
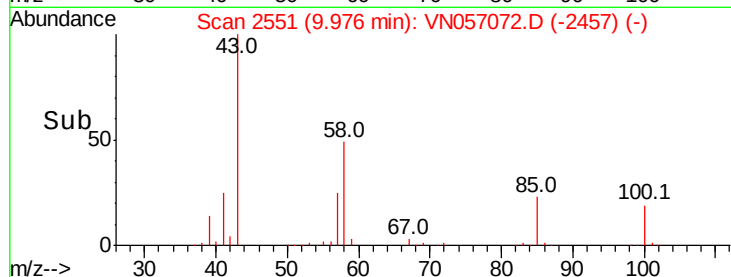
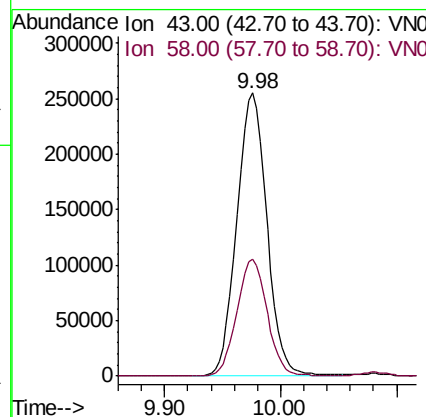
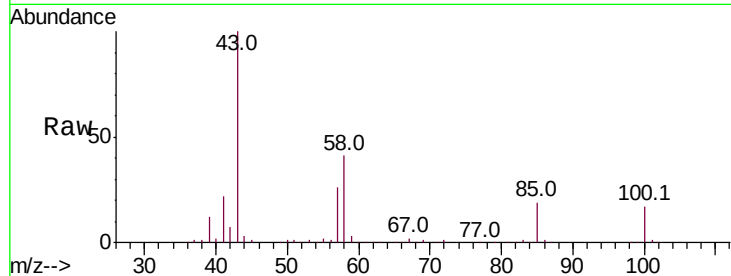
58 41.5 33.1 49.7

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#52

Toluene

Concen: 20.851 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057072.D

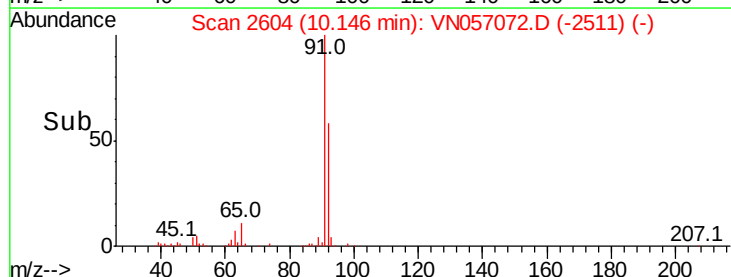
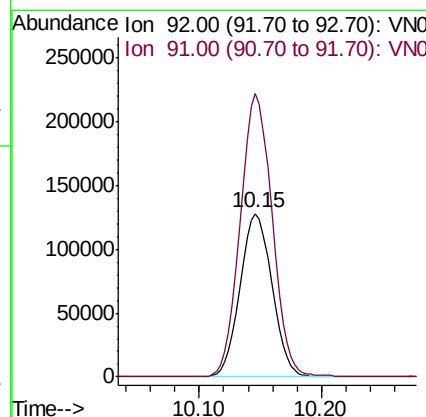
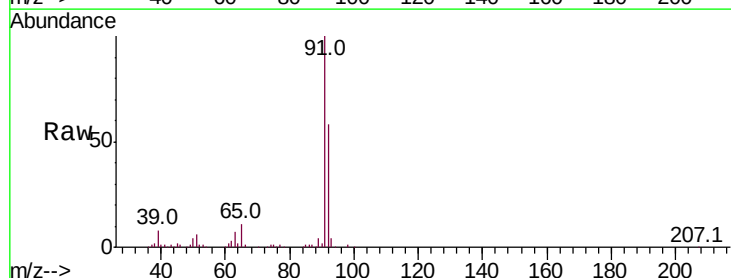
Acq: 5 Aug 2019 10:45

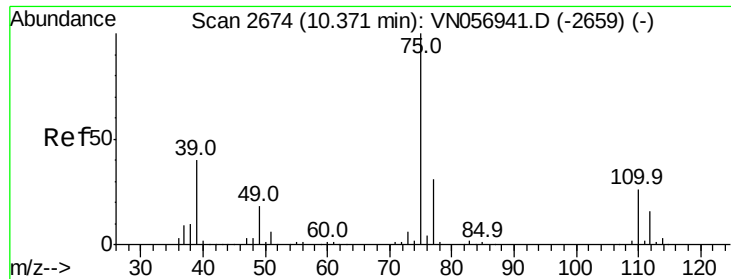
Tgt Ion: 92 Resp: 232746

Ion Ratio Lower Upper

92 100

91 173.3 138.0 207.0





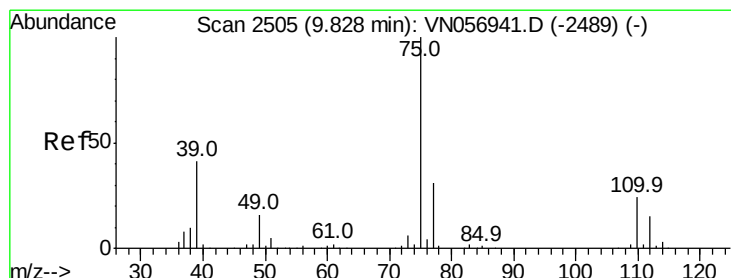
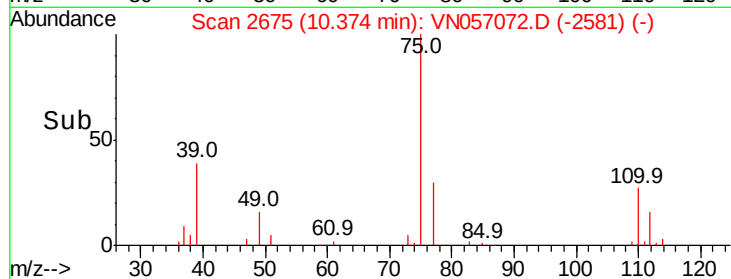
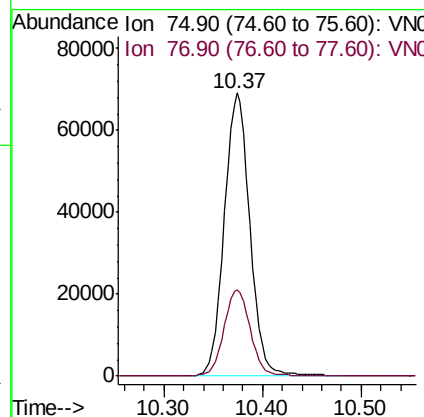
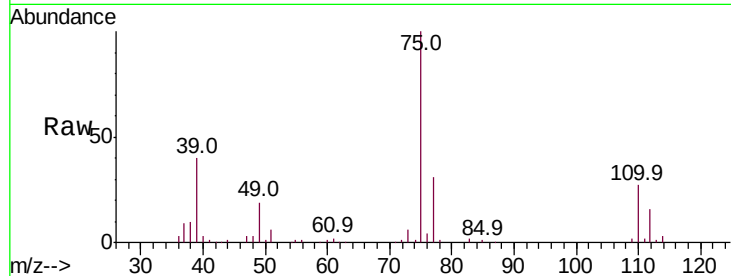
#53
 t-1,3-Dichloropropene
 Concen: 20.573 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBS01

Tot Ion: 75 Resp: 125791
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.1 37.7

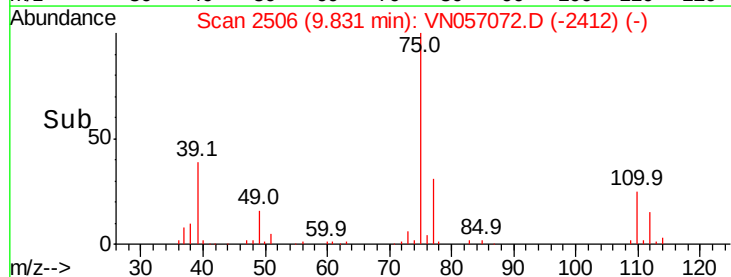
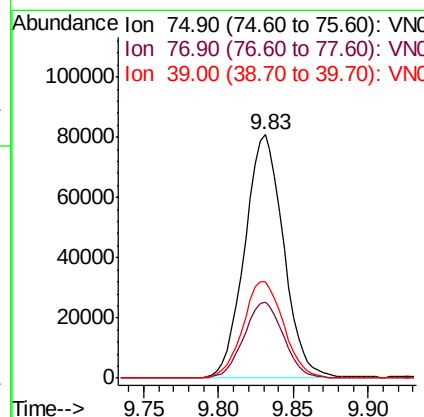
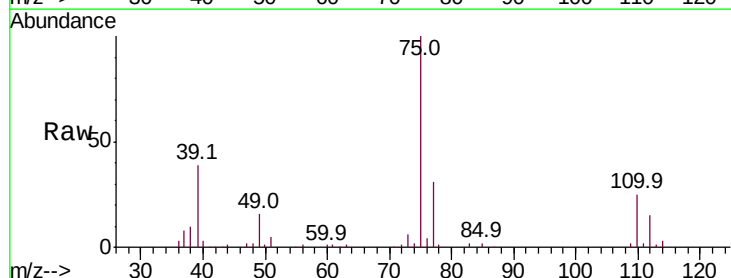
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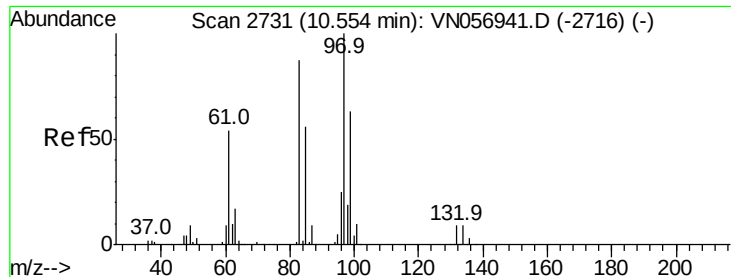
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#54
 cis-1,3-Dichloropropene
 Concen: 20.618 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion: 75 Resp: 146578
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 39.4 32.6 49.0





#55

1,1,2-Trichloroethane

Concen: 20.409 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0805WBS01

Tot Ion: 97 Resp: 91357

Ion Ratio Lower Upper

97 100

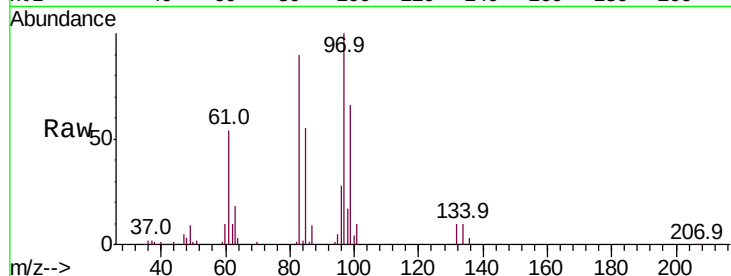
83 89.6 69.4 104.0

85 55.0 44.7 67.1

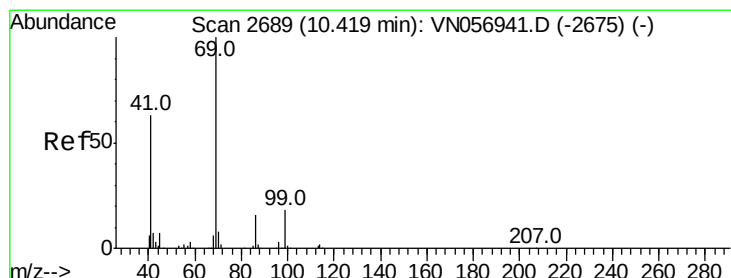
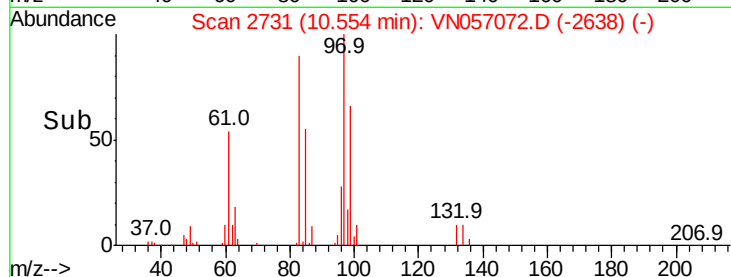
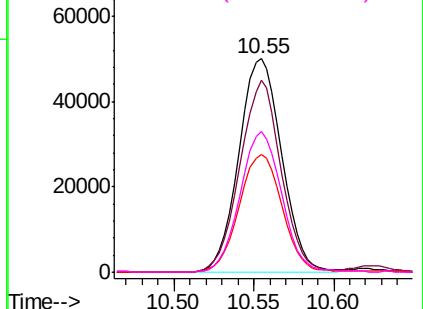
99 65.8 50.1 75.1

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



#56

Ethyl methacrylate

Concen: 19.089 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

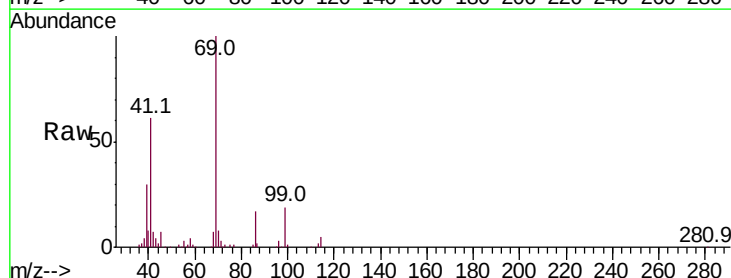
Tgt Ion: 69 Resp: 121417

Ion Ratio Lower Upper

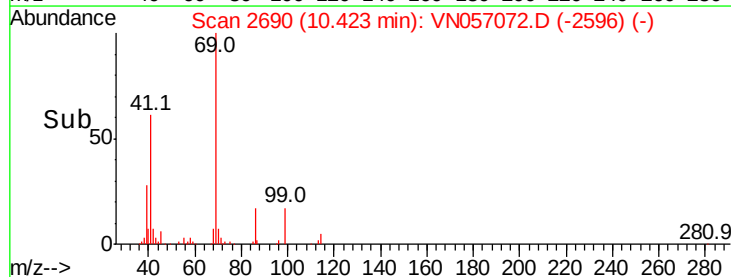
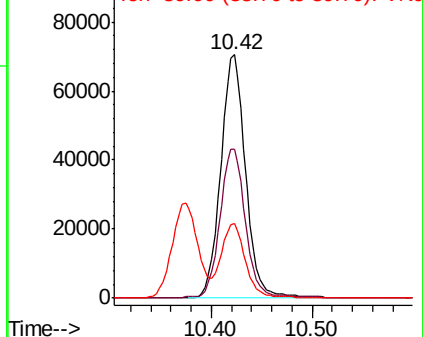
69 100

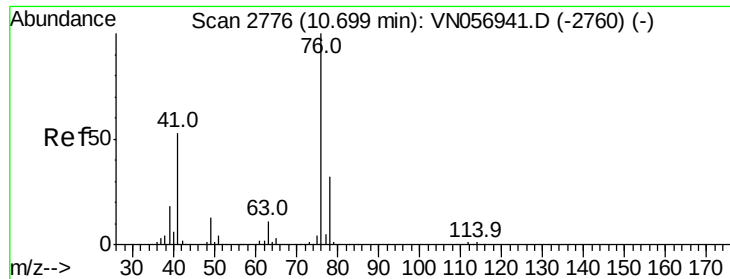
41 61.1 49.2 73.8

39 29.1 23.1 34.7



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





#57

1,3-Dichloropropane

Concen: 20.834 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VN0805WBS01

Tot Ion: 76 Resp: 154650

Ion Ratio Lower Upper

76 100

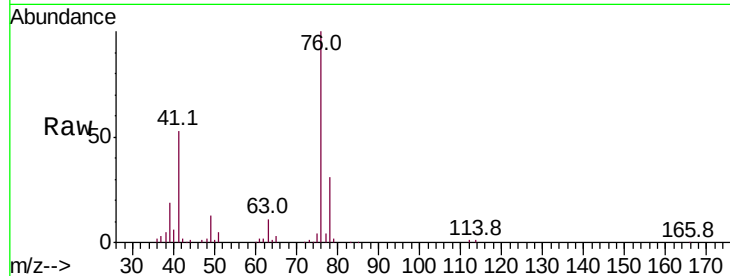
78 31.7 25.9 38.9

Manual Integrations

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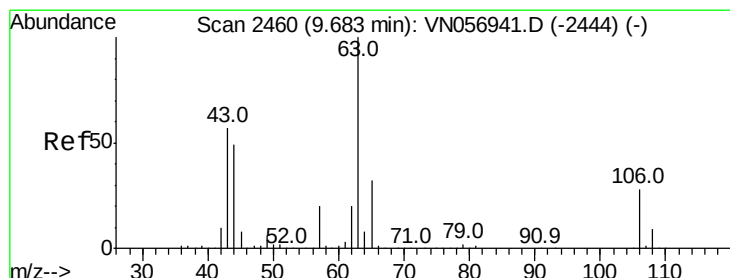
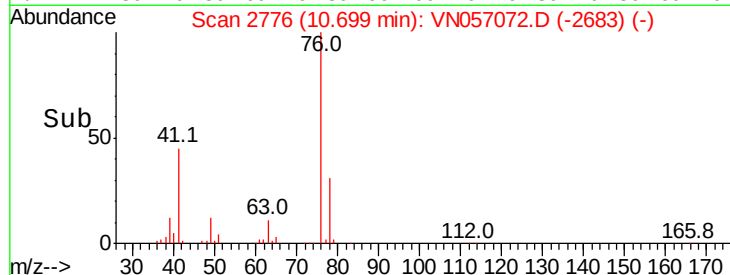
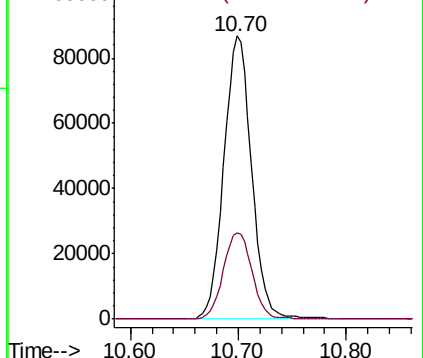
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 71.759 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN057072.D

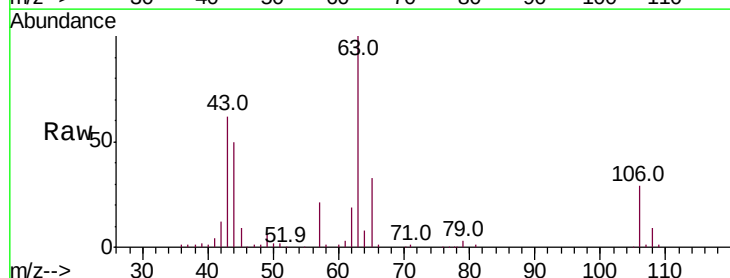
Acq: 5 Aug 2019 10:45

Tgt Ion: 63 Resp: 192491

Ion Ratio Lower Upper

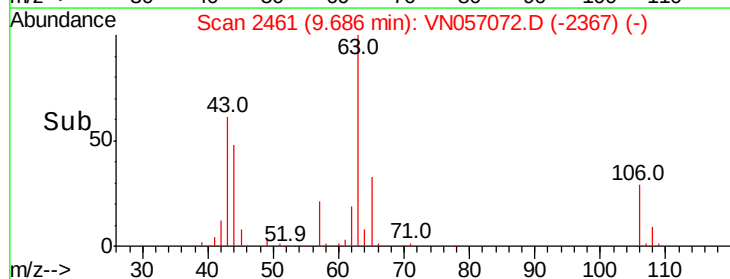
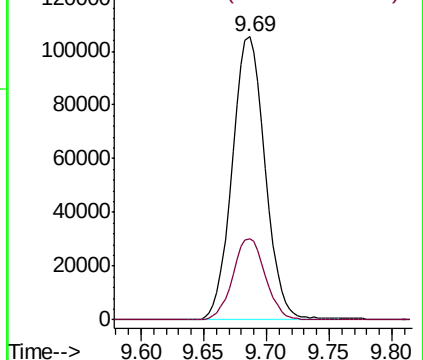
63 100

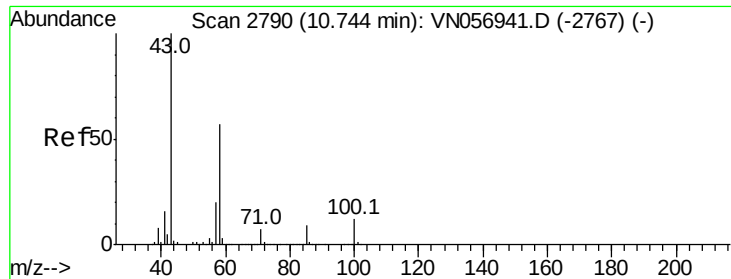
106 28.3 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





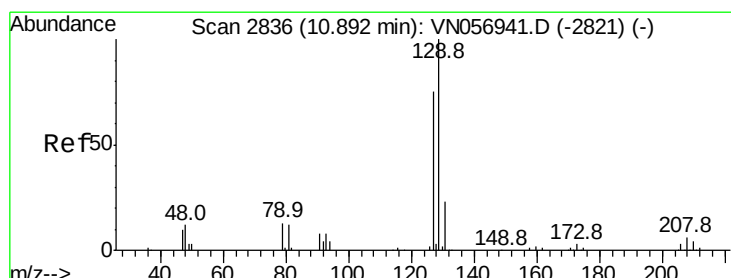
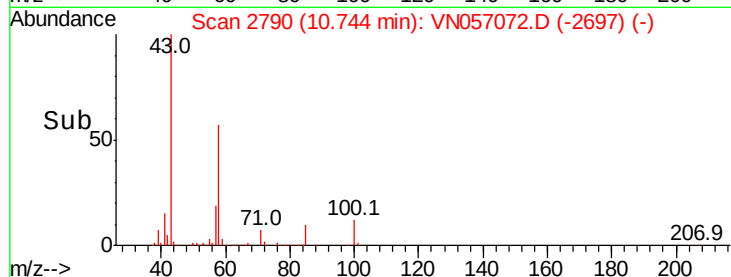
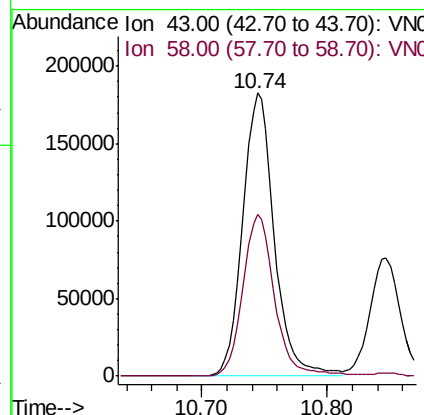
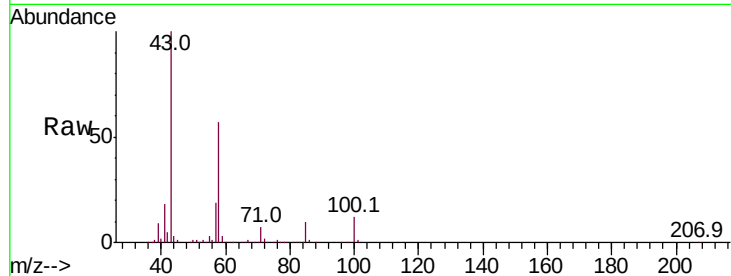
#59
2-Hexanone
Concen: 89.311 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion: 43 Resp: 320375
Ion Ratio Lower Upper
43 100
58 57.1 28.5 85.5

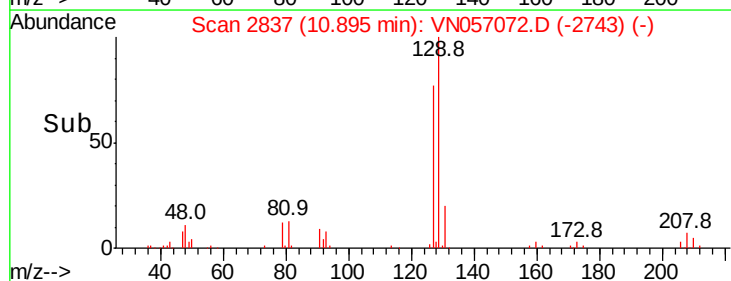
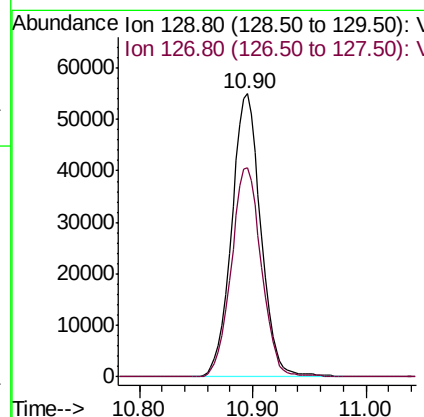
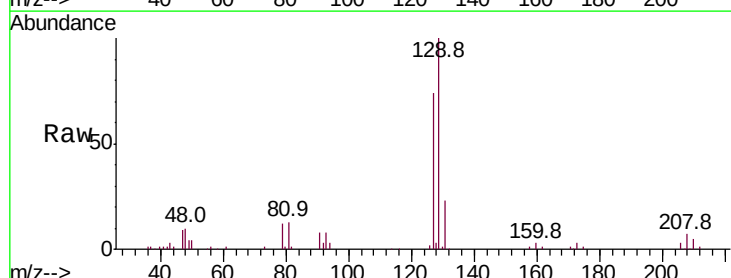
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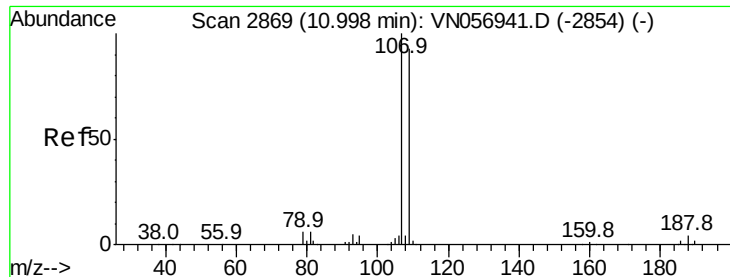
MMDadoda
8/7/2019 4:09:45 AM



#60
Dibromochloromethane
Concen: 21.489 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 129 Resp: 98552
Ion Ratio Lower Upper
129 100
127 75.8 38.0 113.9





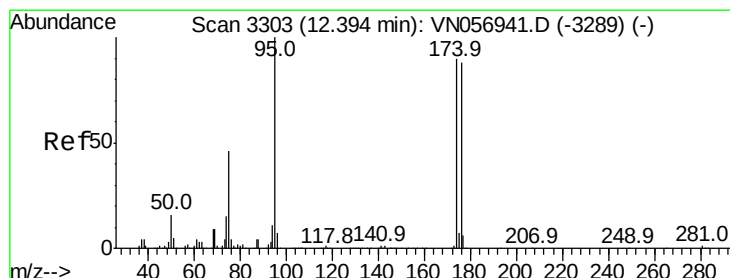
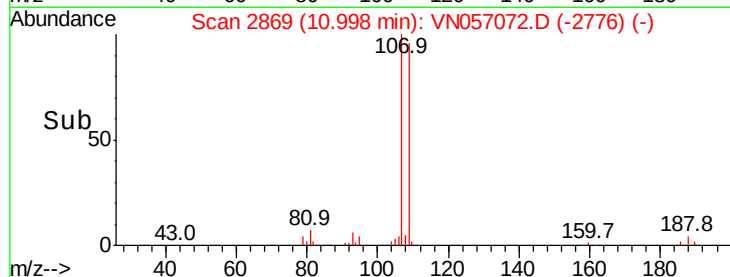
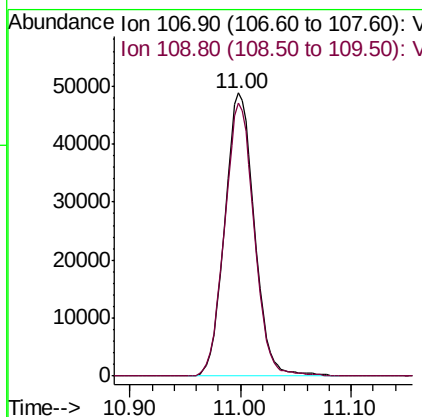
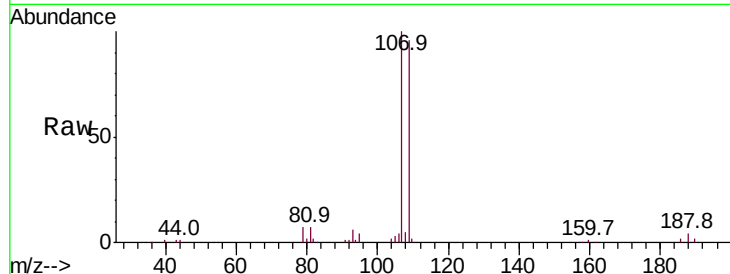
#61
 1,2-Dibromoethane
 Concen: 20.784 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.0	114.0

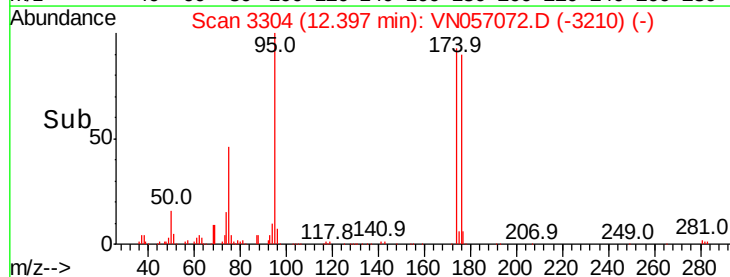
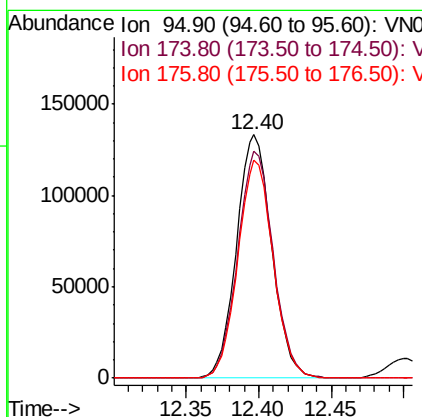
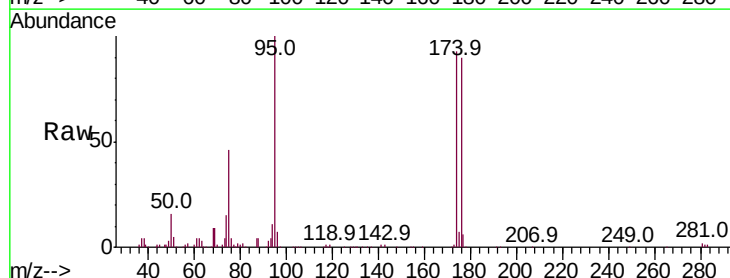
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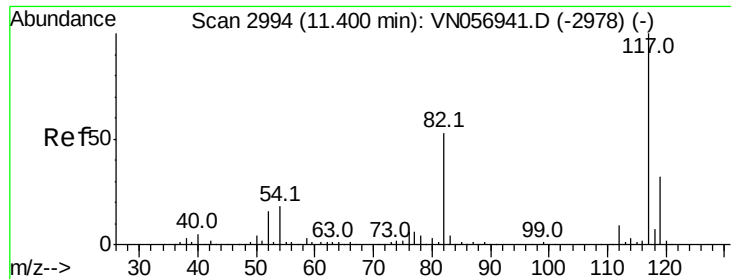
MMDadoda
 8/7/2019 4:09:45 AM



#62
 4-Bromofluorobenzene
 Concen: 41.273 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	182.2
176	89.8	0.0	179.4





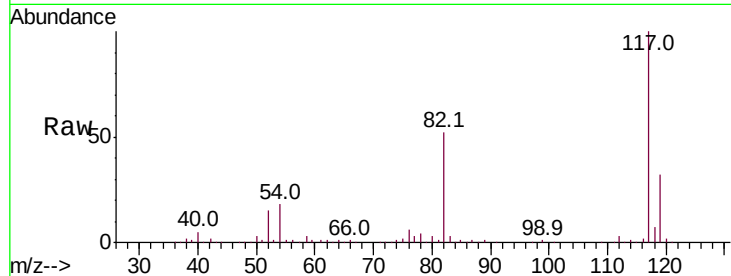
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.2	63.4
119	32.3	25.8	38.6

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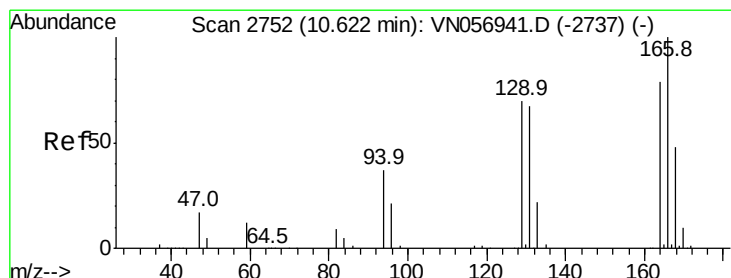
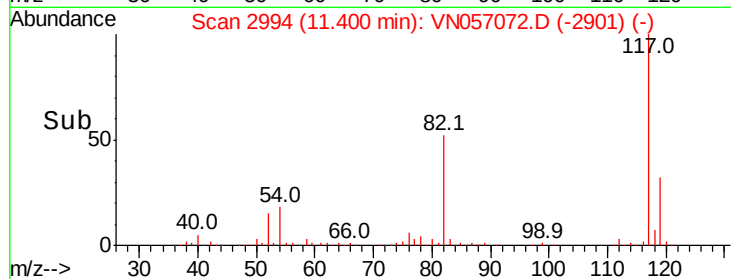
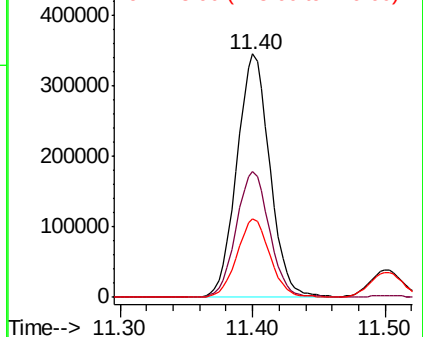


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.976 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.1	151.7
129	90.0	70.9	106.3
131	88.3	67.7	101.5

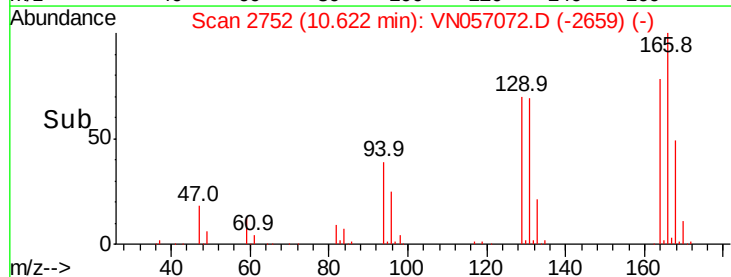
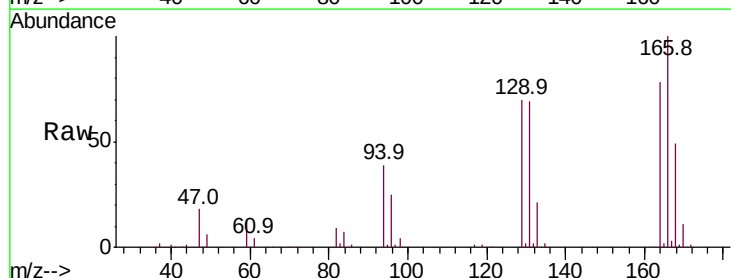
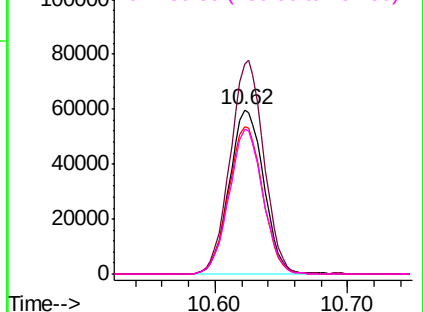
Abundance

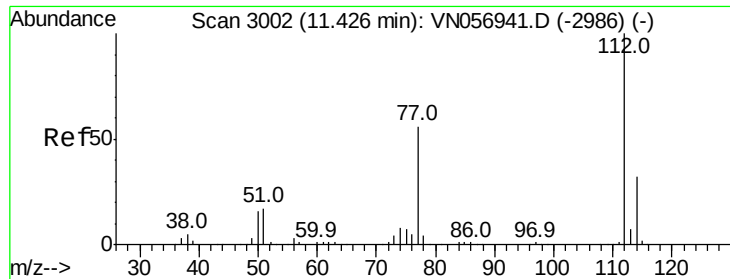
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





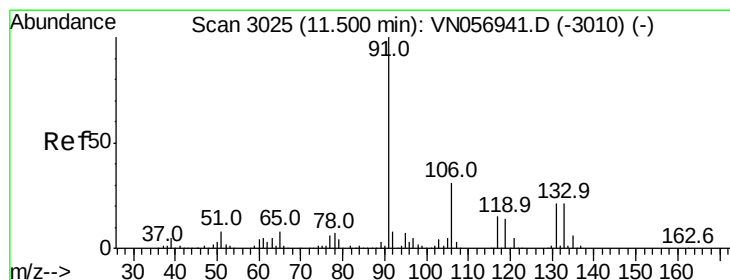
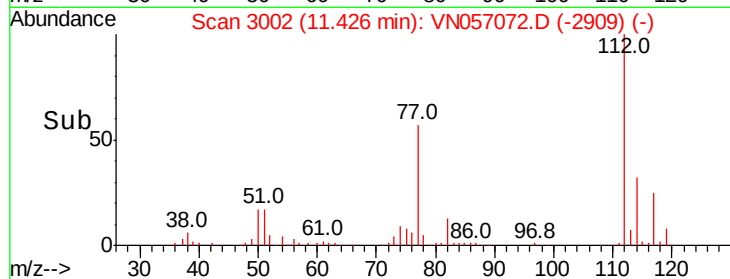
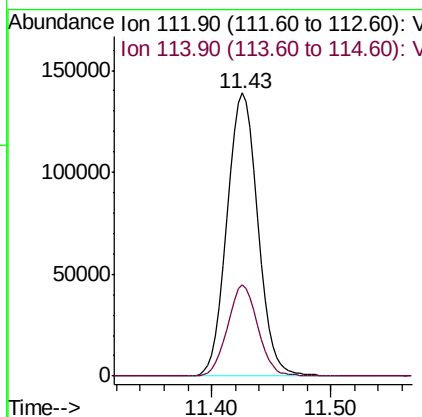
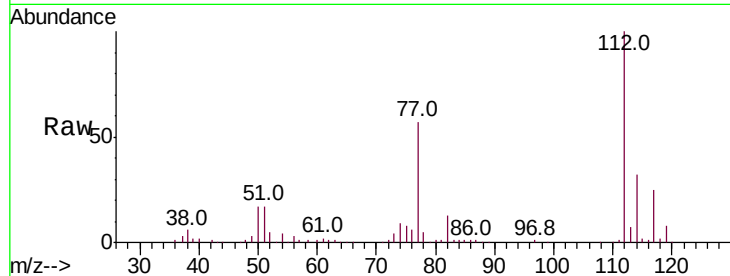
#65
Chlorobenzene
Concen: 20.558 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion:112 Resp: 250261
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

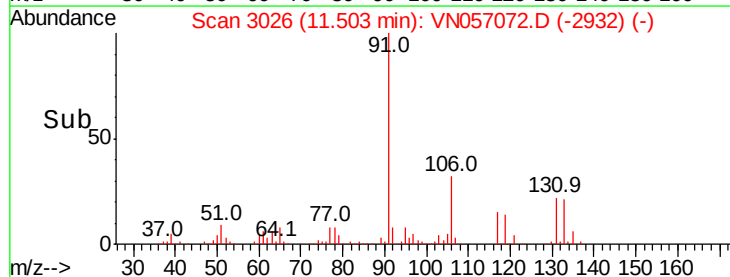
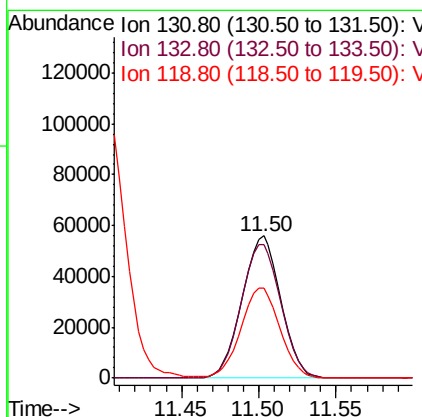
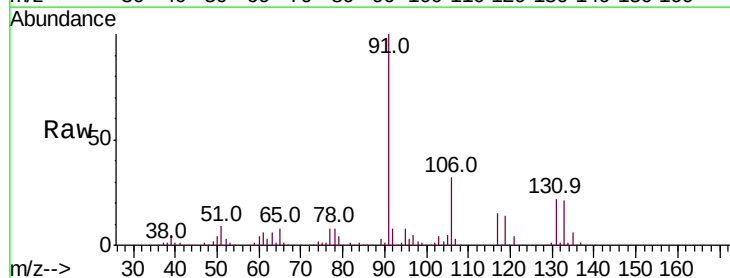
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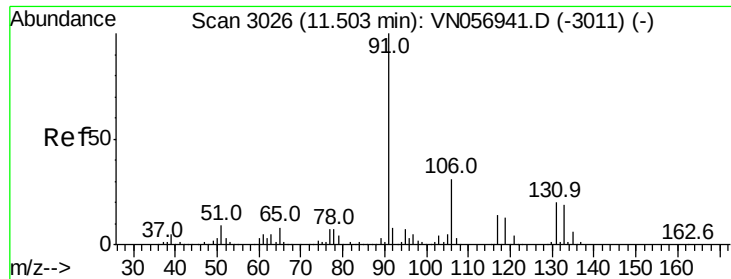
MMDadoda
8/7/2019 4:09:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.246 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion:131 Resp: 97350
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.0
119 64.1 33.2 99.6





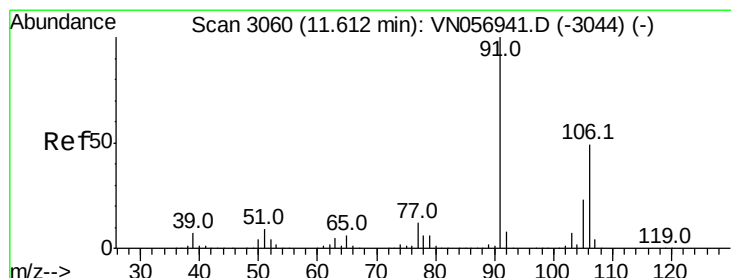
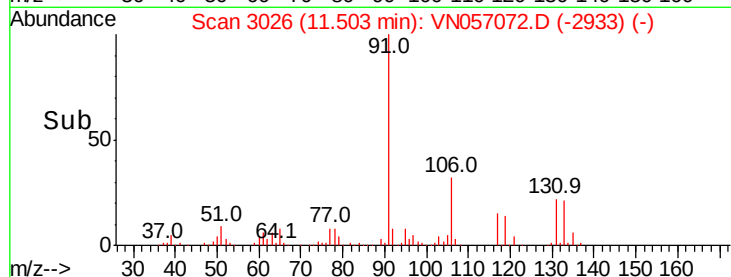
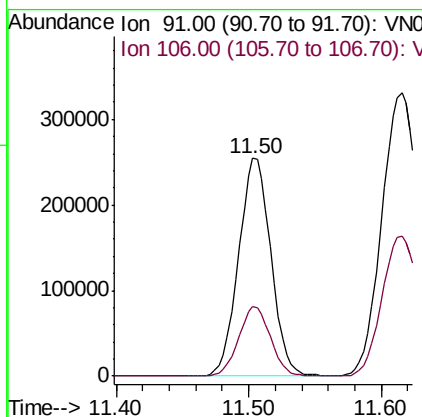
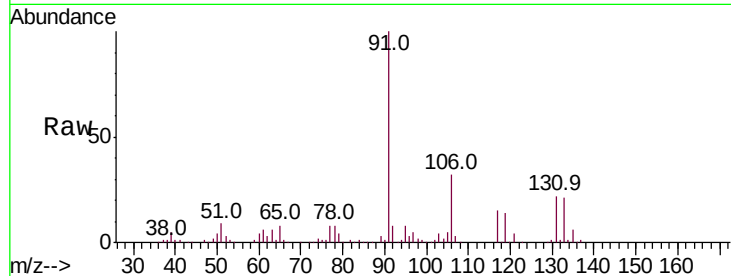
#67
Ethyl Benzene
Concen: 20.469 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion: 91 Resp: 430662
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

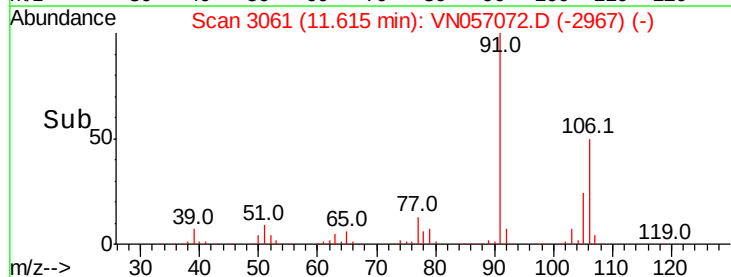
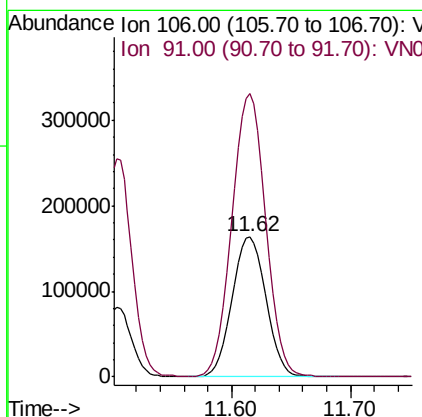
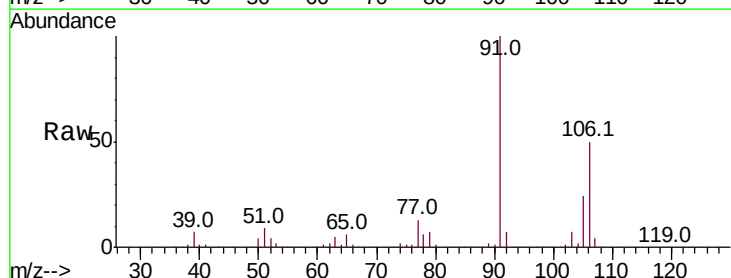
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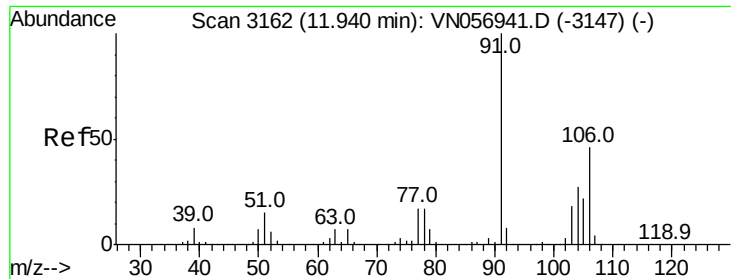
MMDadoda
8/7/2019 4:09:45 AM



#68
m/p-Xylenes
Concen: 41.664 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 106 Resp: 323511
Ion Ratio Lower Upper
106 100
91 201.3 160.0 240.0





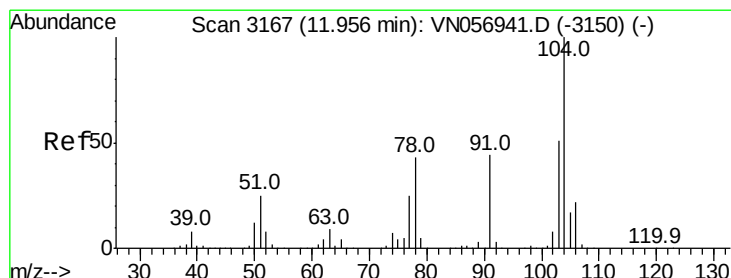
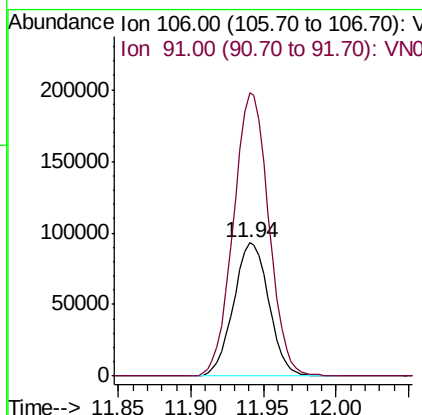
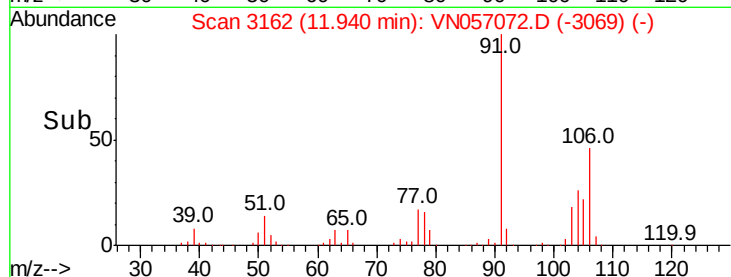
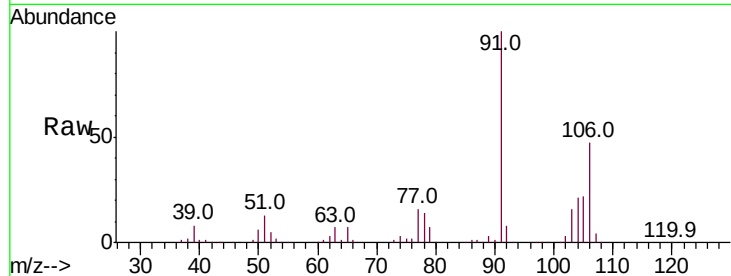
#69
o-Xylene
Concen: 20.766 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion:106 Resp: 157751
Ion Ratio Lower Upper
106 100
91 212.3 106.2 318.6

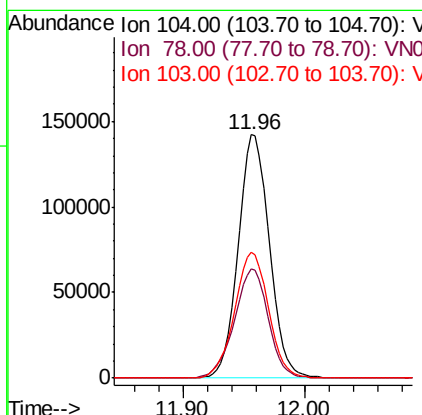
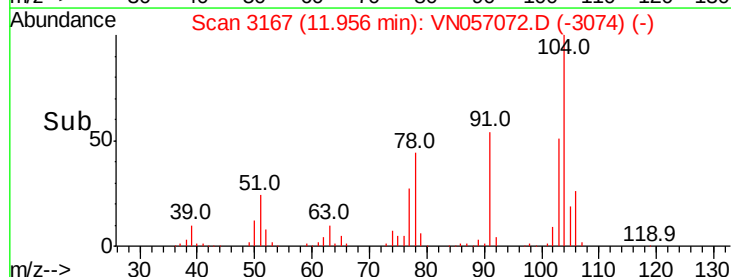
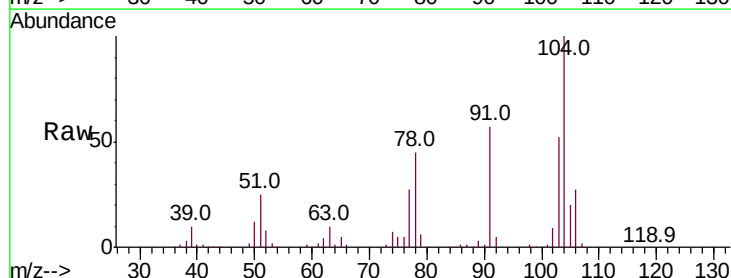
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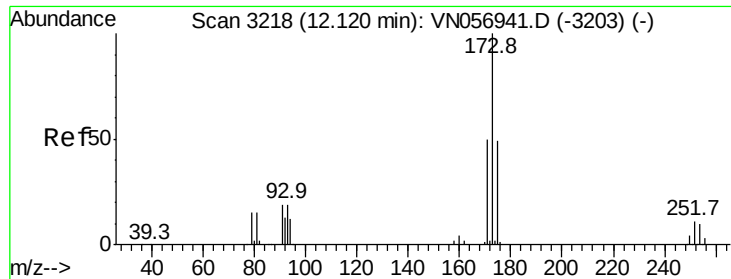
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#70
Styrene
Concen: 19.861 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion:104 Resp: 250983
Ion Ratio Lower Upper
104 100
78 48.8 38.1 57.1
103 56.1 44.3 66.5





#71

Bromoform

Concen: 20.690 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0805WBS01

Tot Ion:173 Resp: 66187

Ion Ratio Lower Upper

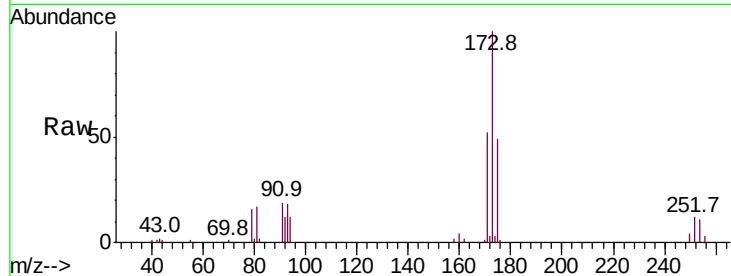
173 100

175 48.5 24.1 72.4

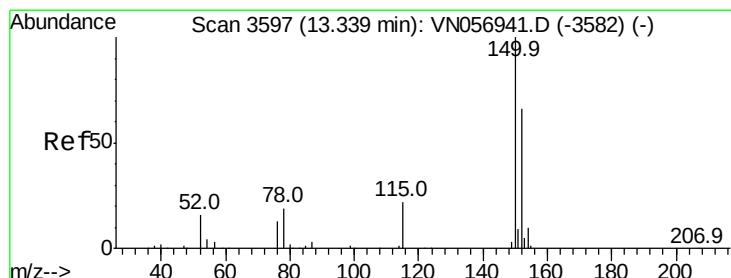
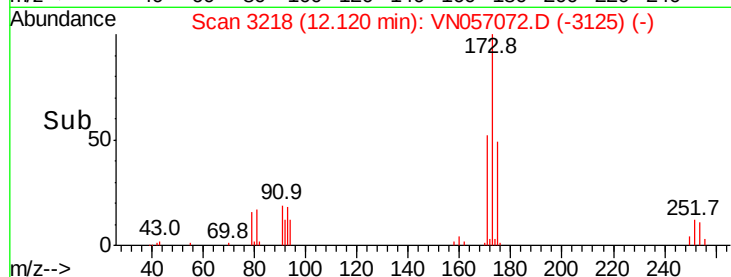
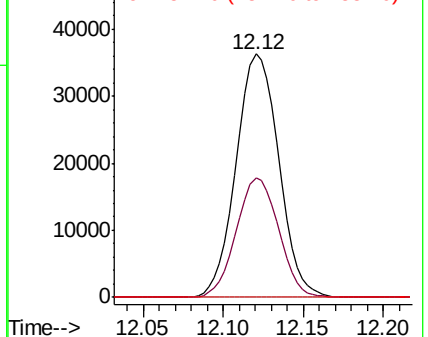
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

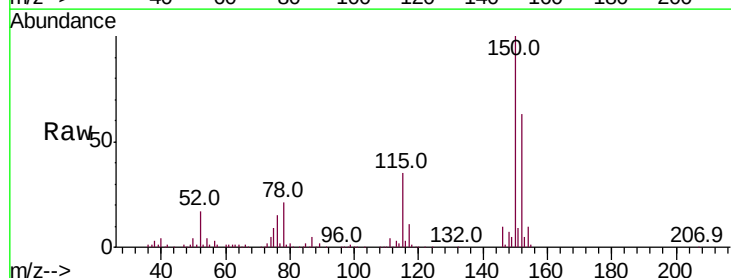
Tgt Ion:152 Resp: 220791

Ion Ratio Lower Upper

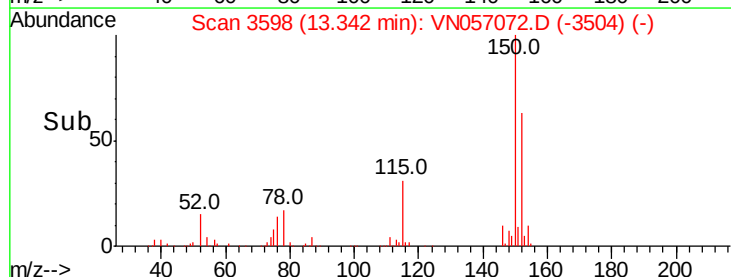
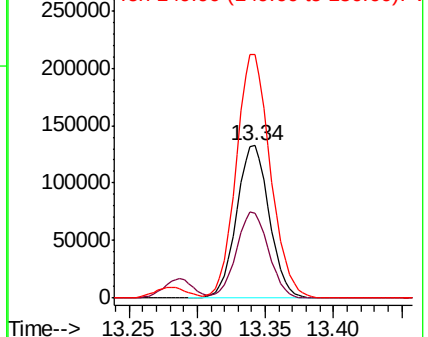
152 100

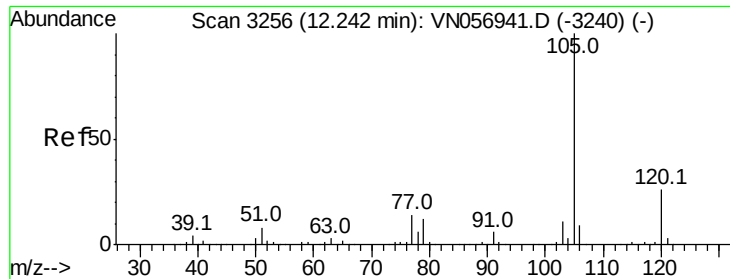
115 55.6 28.2 84.6

150 167.2 0.0 349.4



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





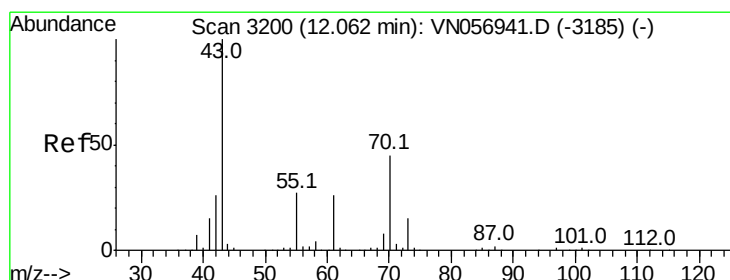
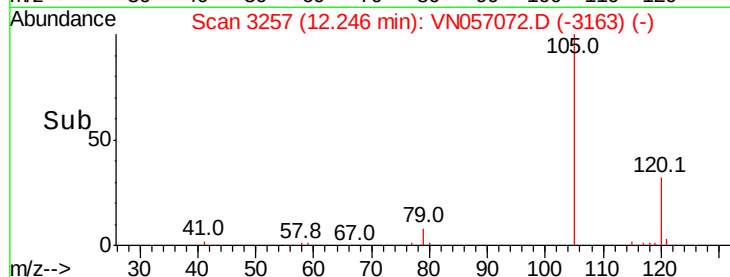
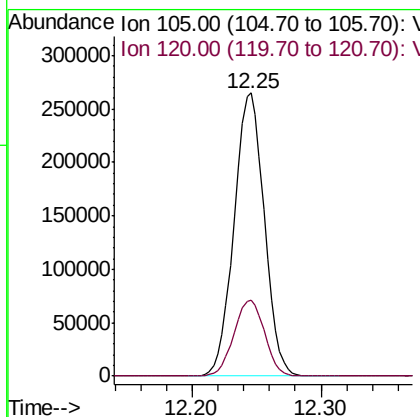
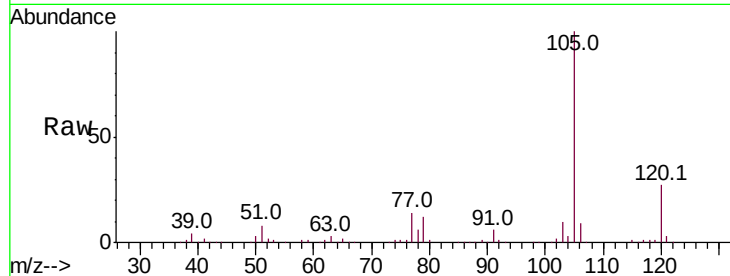
#73
Isopropylbenzene
Concen: 22.571 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion:105 Resp: 430701
Ion Ratio Lower Upper
105 100
120 27.4 13.5 40.5

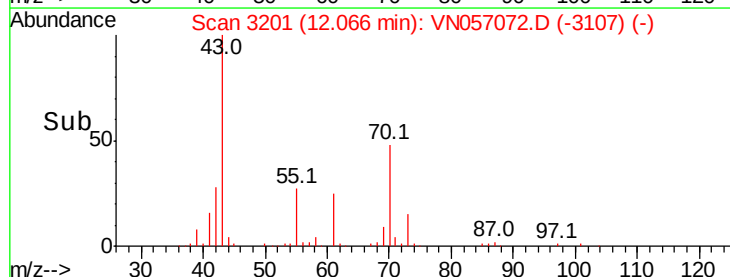
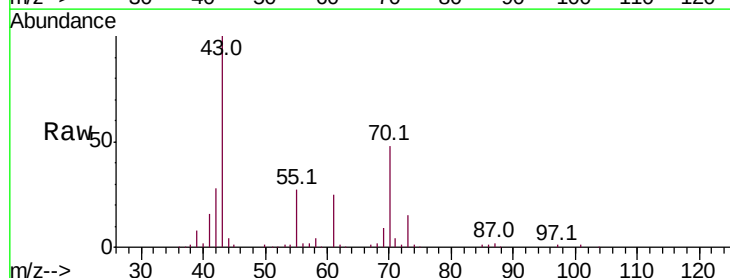
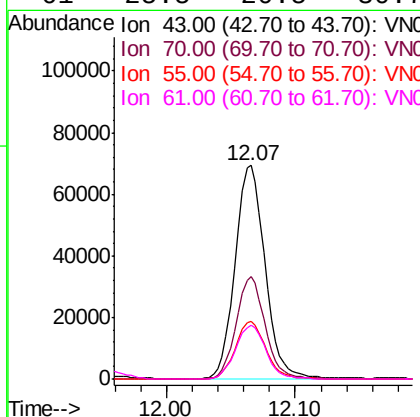
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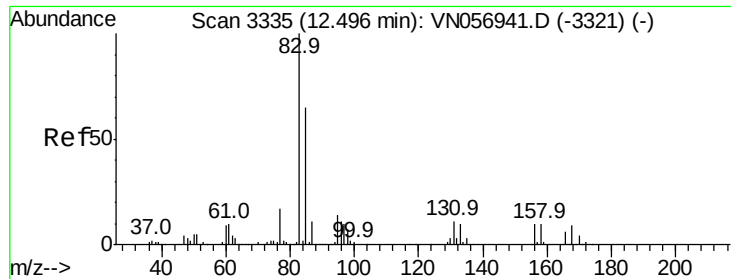
MMDadoda
8/7/2019 4:09:45 AM



#74
N-ethyl acetate
Concen: 20.304 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 43 Resp: 112495
Ion Ratio Lower Upper
43 100
70 46.4 36.5 54.7
55 27.4 21.4 32.0
61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.599 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

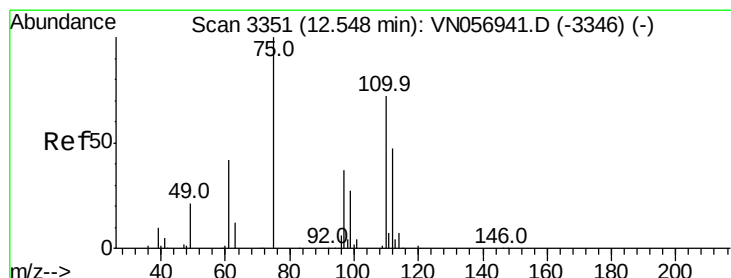
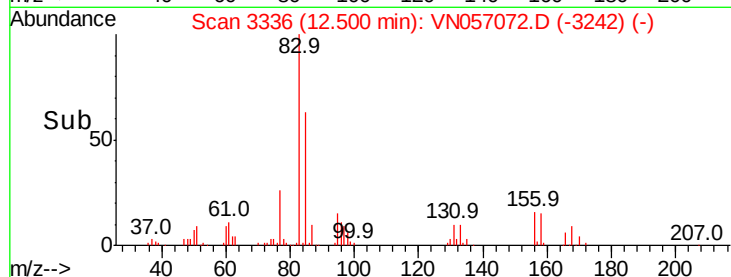
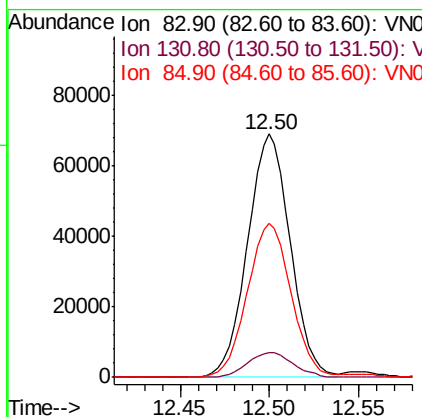
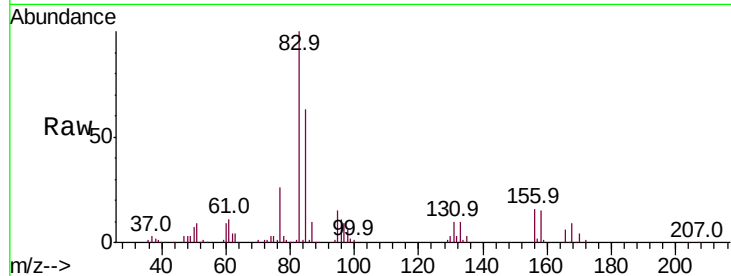
ClientSampleId :

VN0805WBS01

Tot Ion:	83	Resp:	115747
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	65.2	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.579 ug/l m

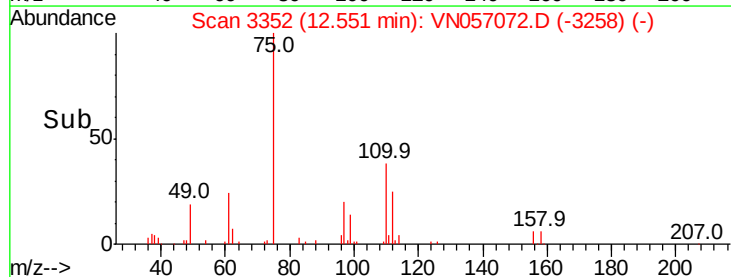
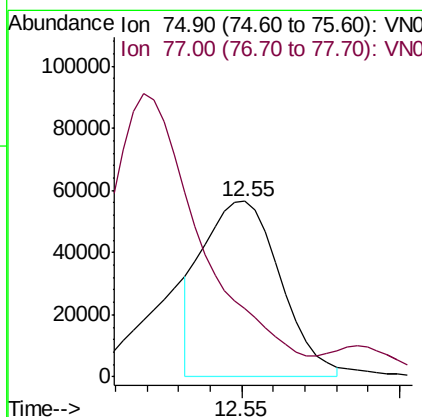
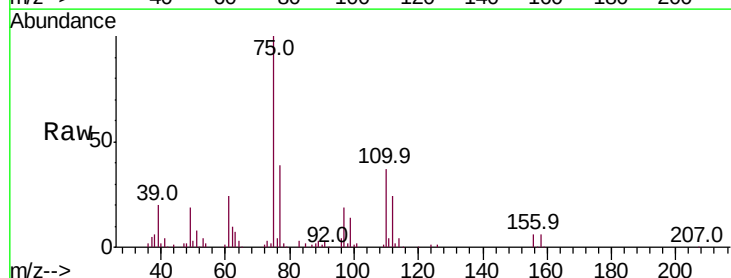
RT: 12.55 min Scan# 3352

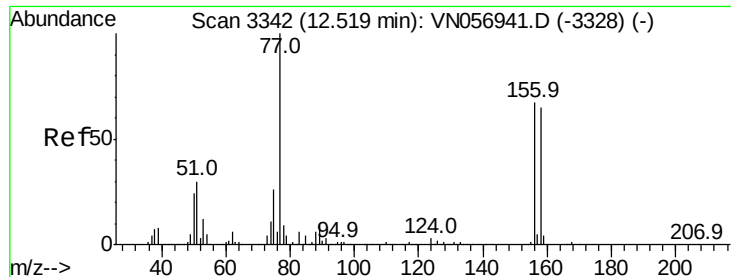
Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion:	75	Resp:	96760
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.667 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

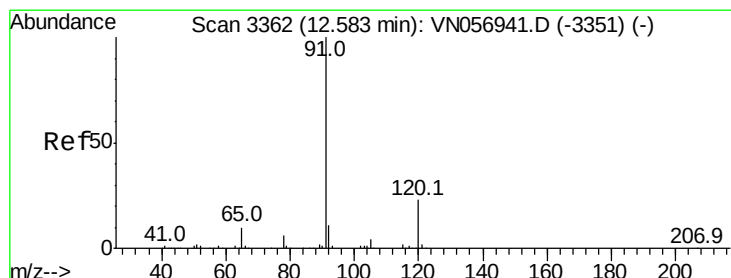
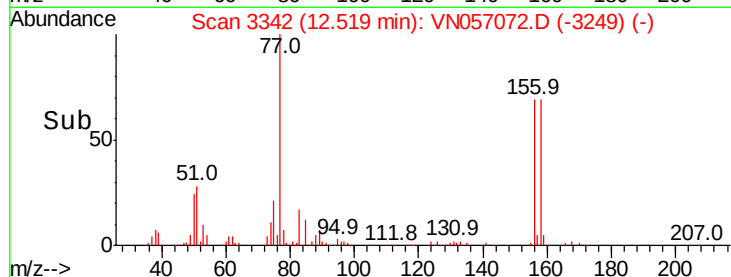
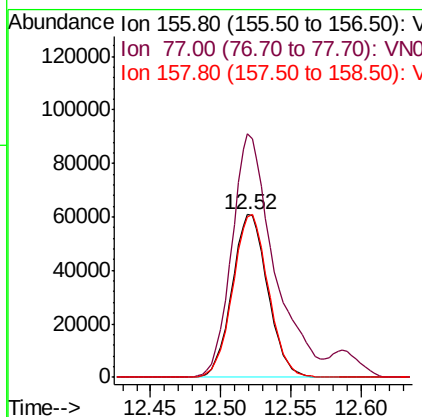
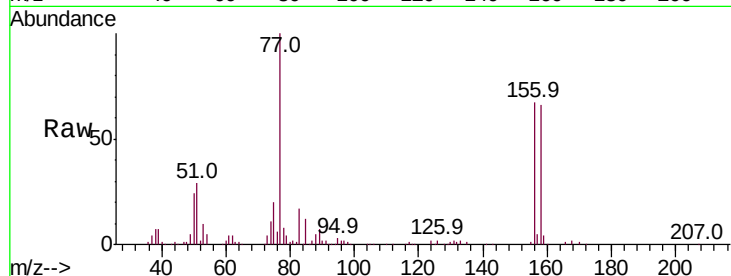
ClientSampleId :

VN0805WBS01

Tot Ion:	156	Resp:	107907
Ion Ratio	Lower	Upper	
156	100		
77	176.0	89.5	268.5
158	99.8	48.4	145.3

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#78

n-propylbenzene

Concen: 21.979 ug/l

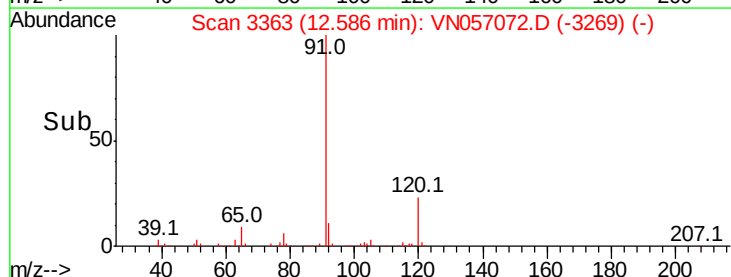
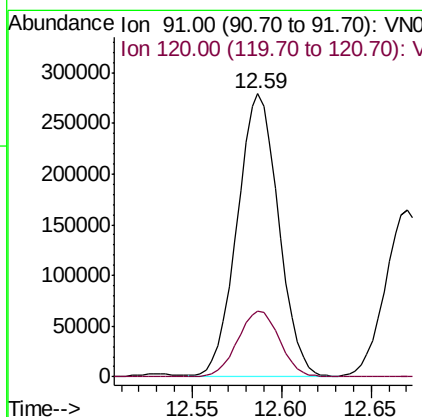
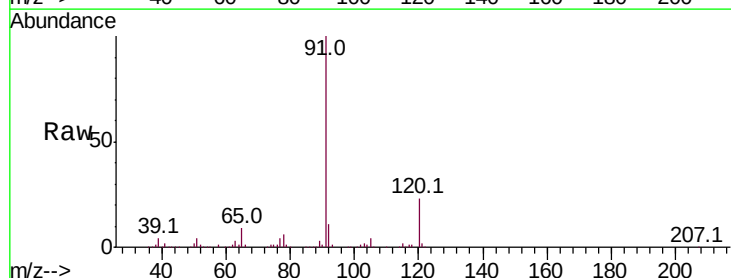
RT: 12.59 min Scan# 3363

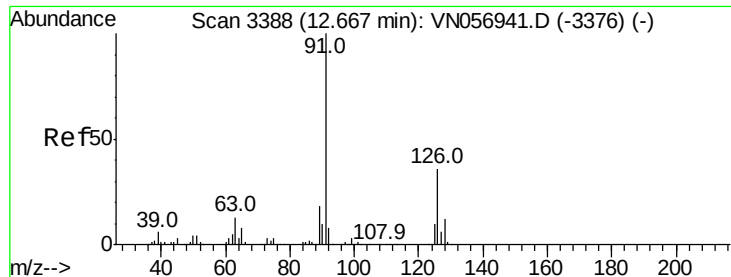
Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion:	91	Resp:	447798
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 21.775 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

VN0805WBS01

Tot Ion: 91 Resp: 273182

Ion Ratio Lower Upper

91 100

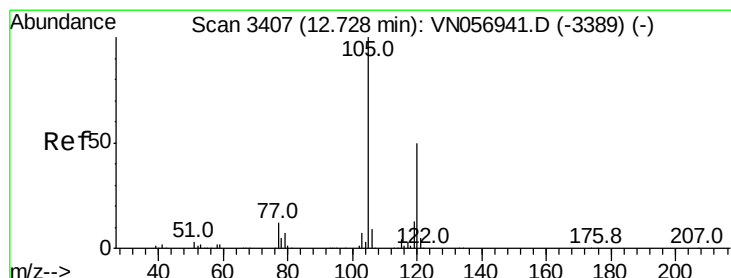
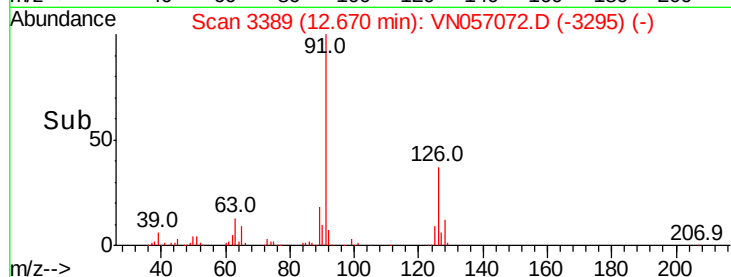
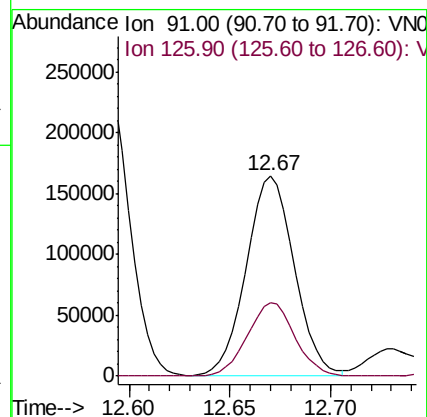
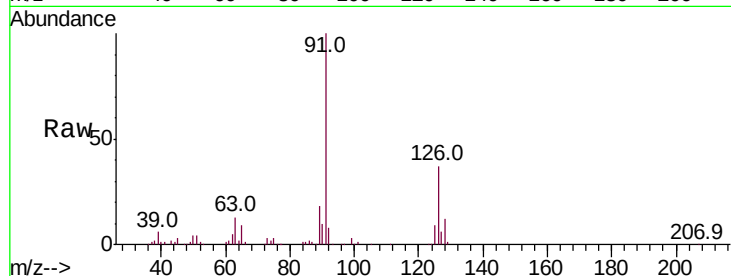
126 36.6 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.102 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057072.D

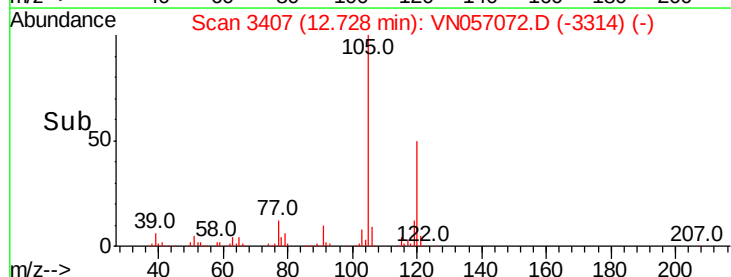
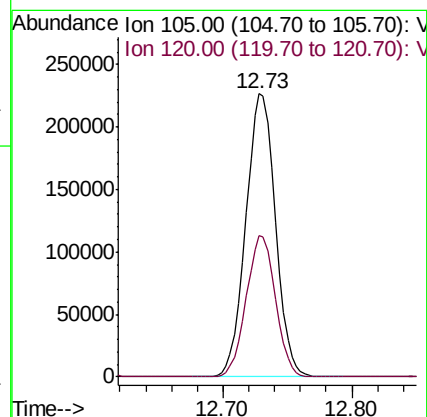
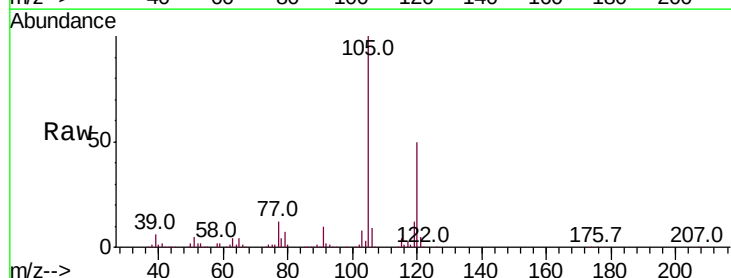
Acq: 5 Aug 2019 10:45

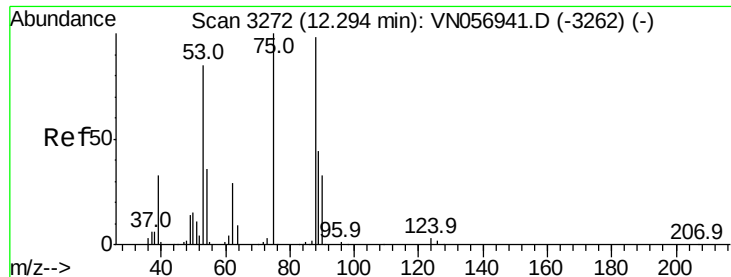
Tgt Ion: 105 Resp: 361800

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.3





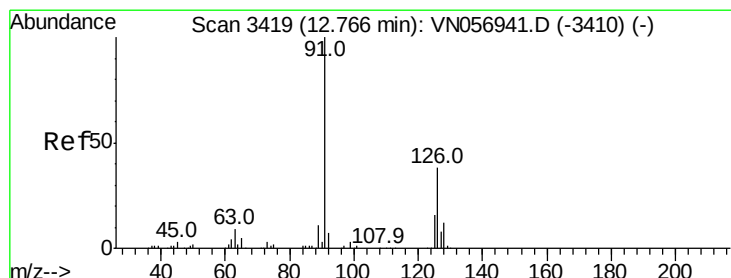
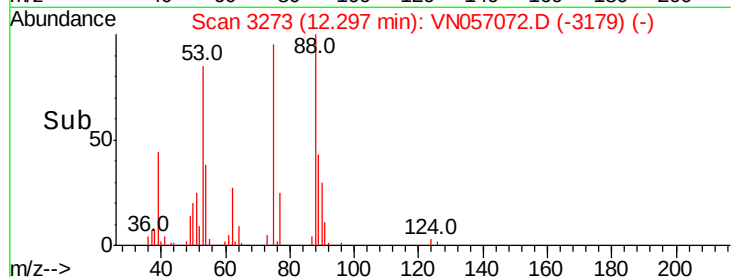
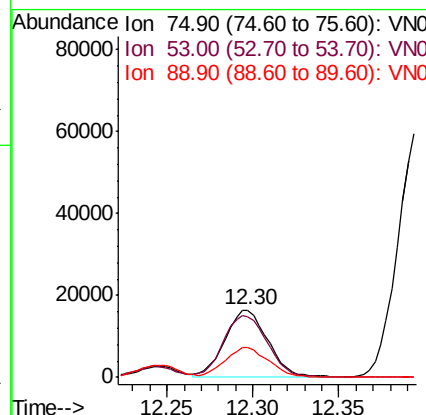
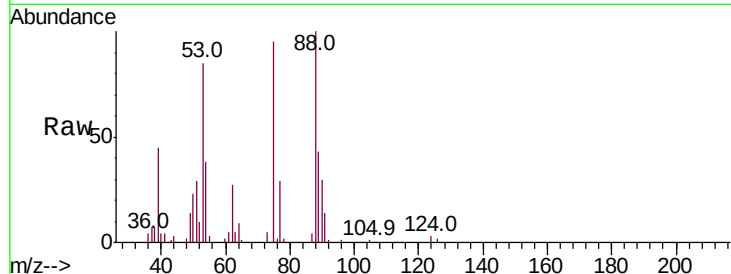
#81
trans-1,4-Dichloro-2-butene
Concen: 20.480 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.6	69.3	103.9
89	44.5	35.8	53.6

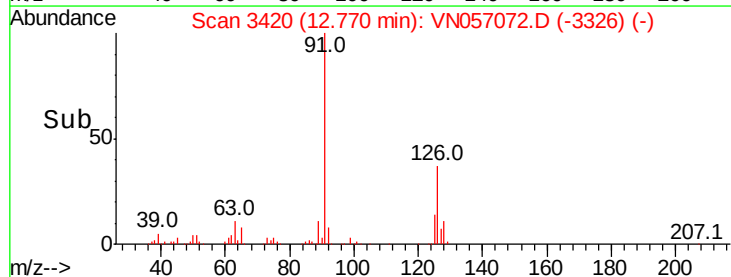
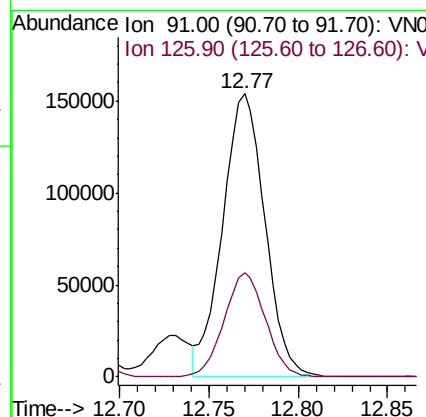
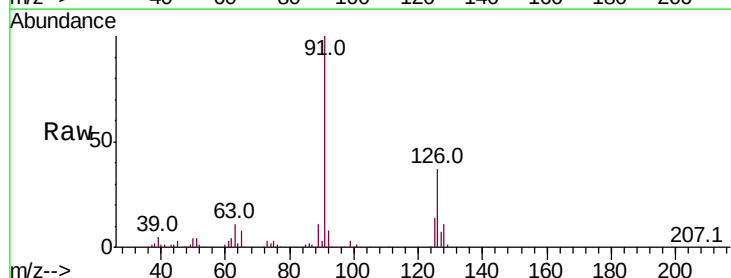
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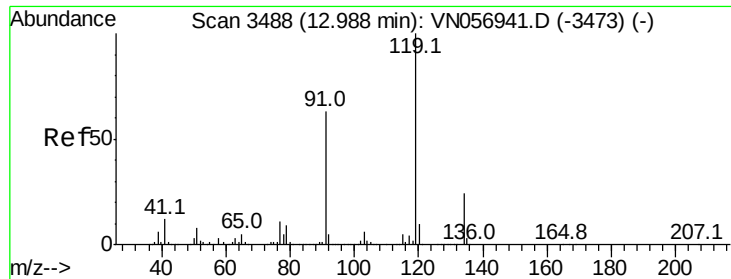
MMDadoda
8/7/2019 4:09:45 AM



#82
4-Chlorotoluene
Concen: 21.517 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.5	52.5





#83

tert-Butylbenzene

Concen: 23.186 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

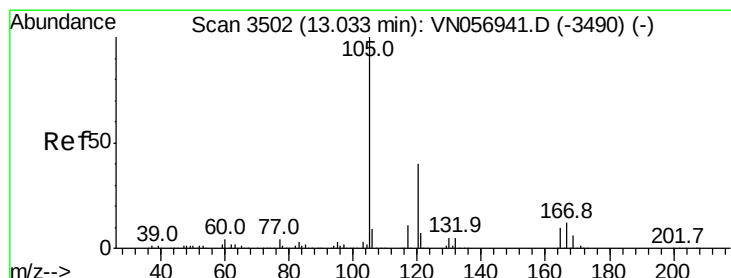
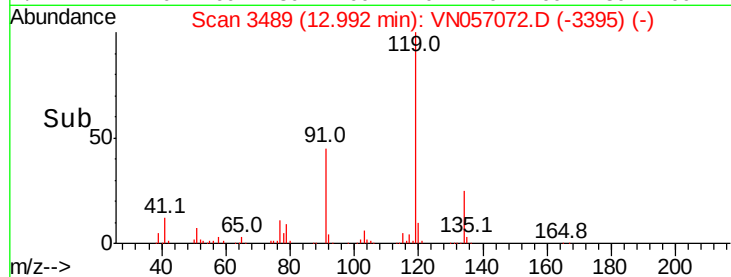
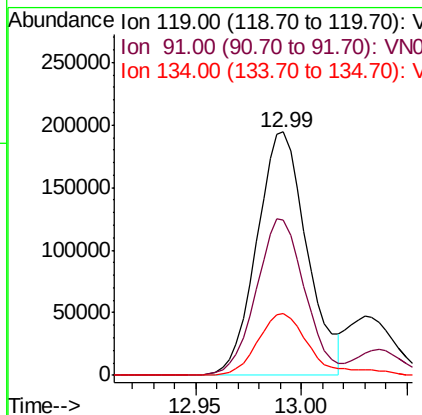
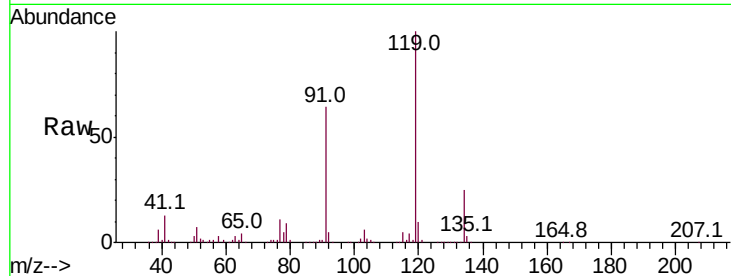
ClientSampled :

VN0805WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.3	93.8
134	26.7	13.3	39.8

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#84

1,2,4-Trimethylbenzene

Concen: 22.990 ug/l

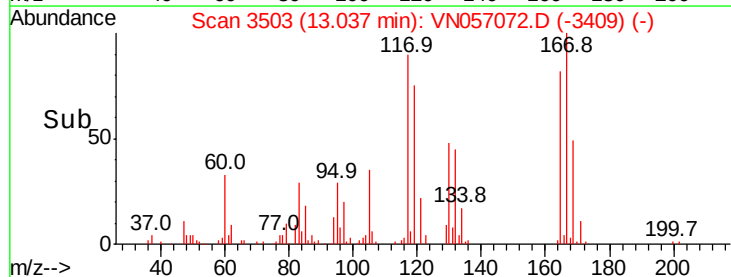
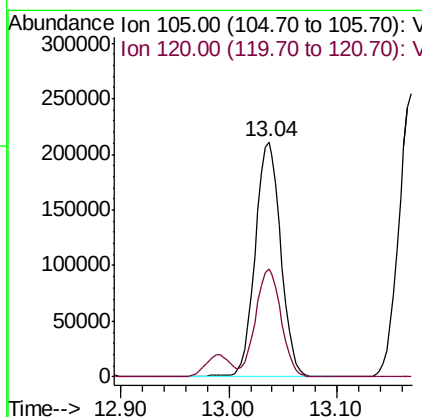
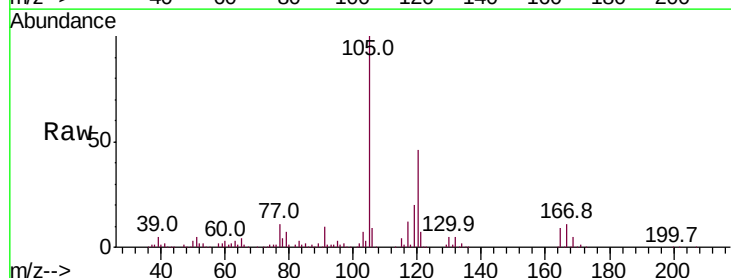
RT: 13.04 min Scan# 3503

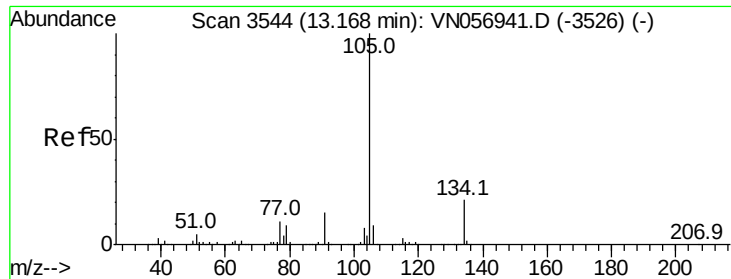
Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 22.372 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0805WBS01

Tot Ion:105 Resp: 400077

Ion Ratio Lower Upper

105 100

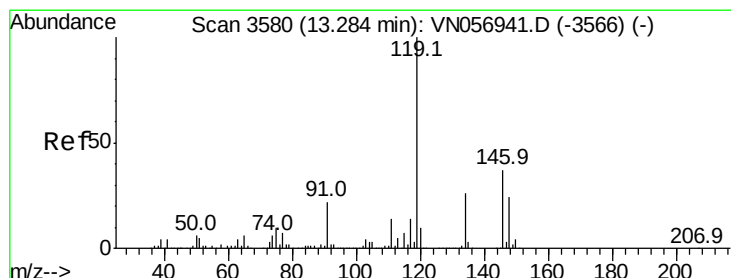
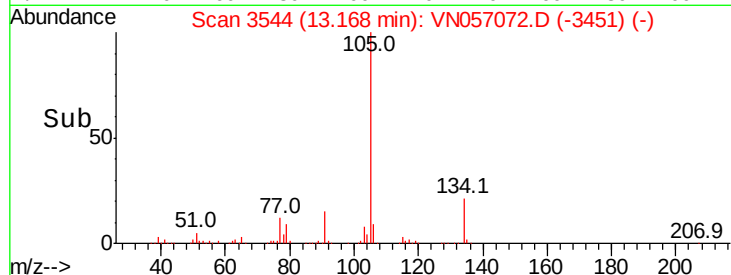
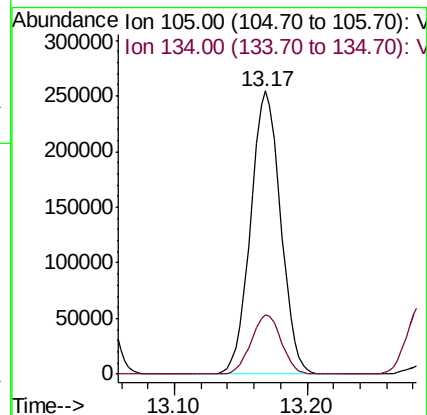
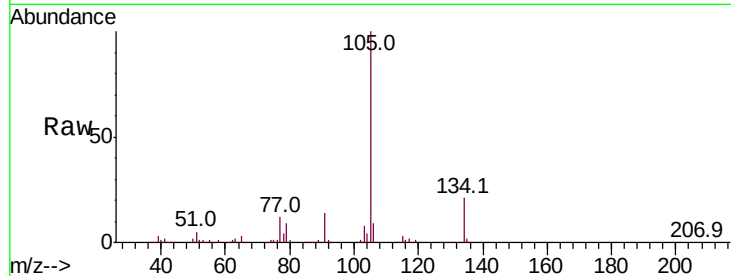
134 21.1 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 22.390 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

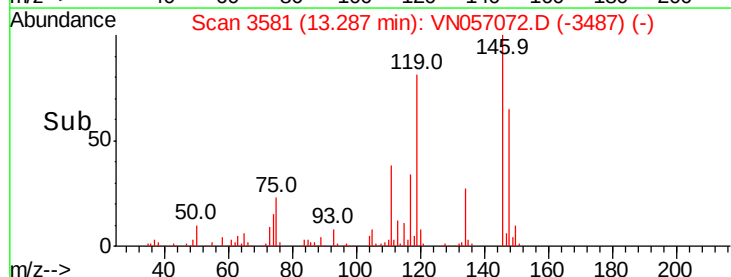
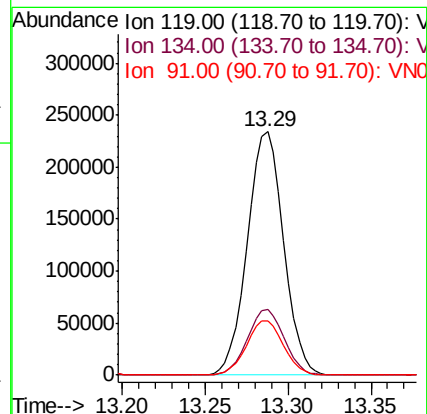
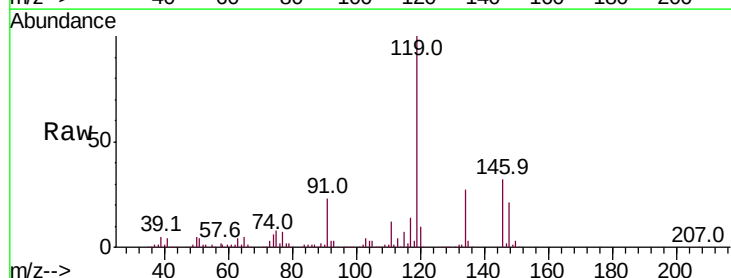
Tgt Ion:119 Resp: 355480

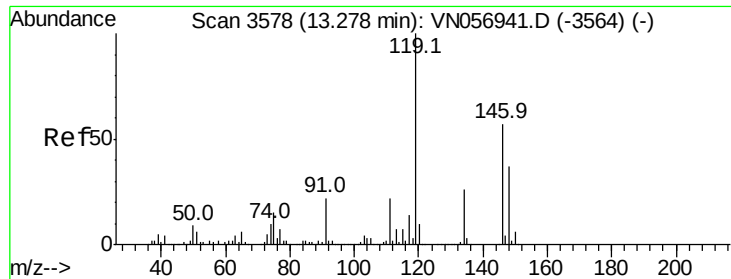
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 22.8 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 21.129 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN057072.D

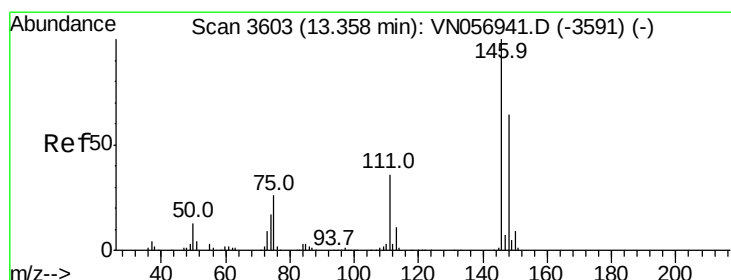
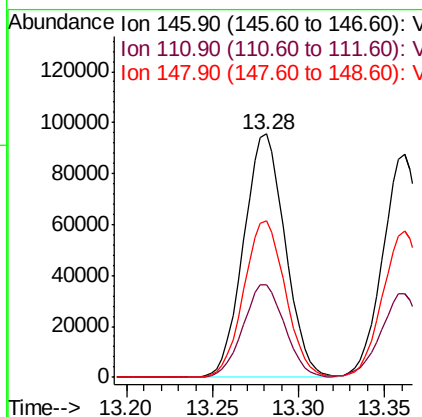
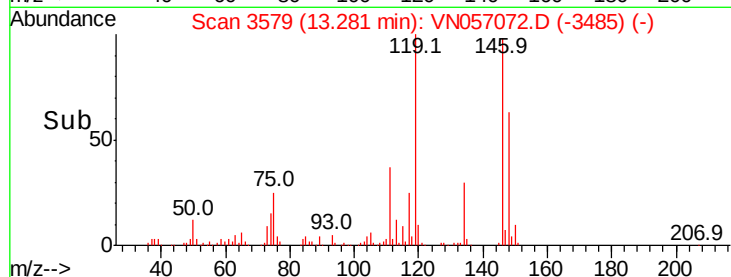
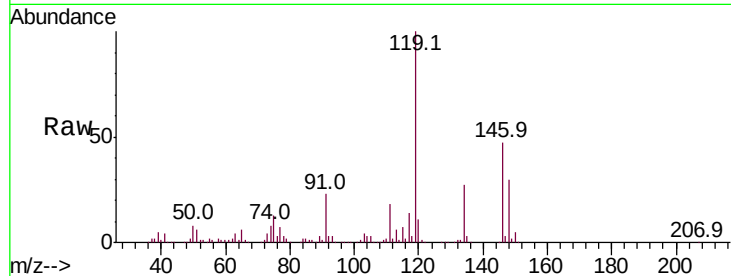
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	160060		
111	38.1	18.6	55.8	
148	64.3	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.031 ug/l

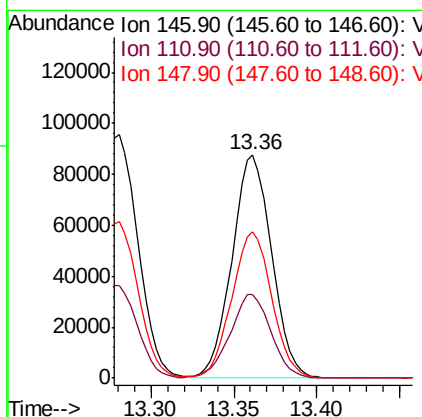
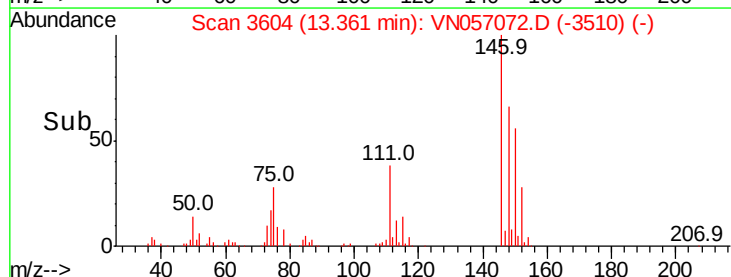
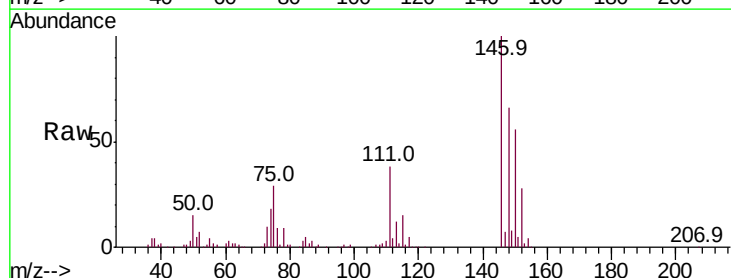
RT: 13.36 min Scan# 3604

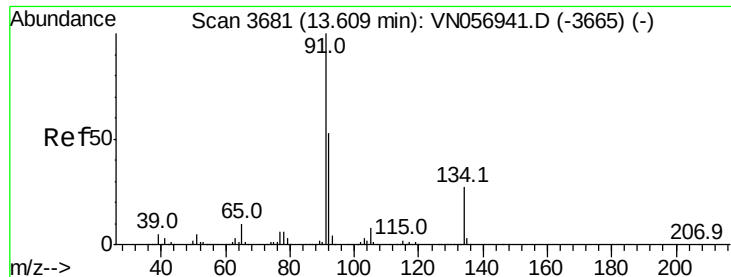
Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	146080		
111	38.7	18.4	55.2	
148	66.0	32.3	96.9	





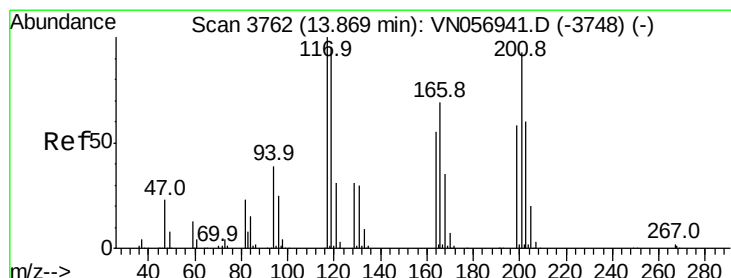
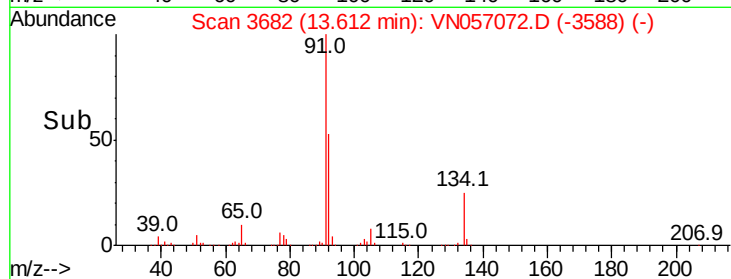
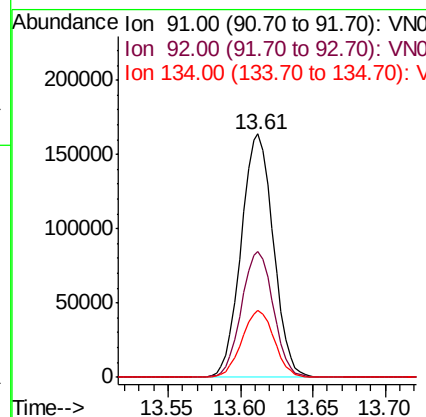
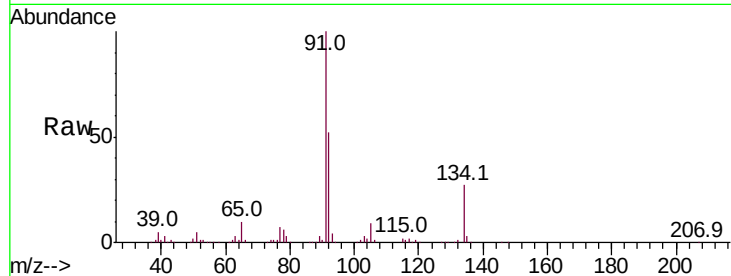
#89
n-Butylbenzene
Concen: 20.691 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0805WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.2	78.5
134	27.6	13.5	40.4

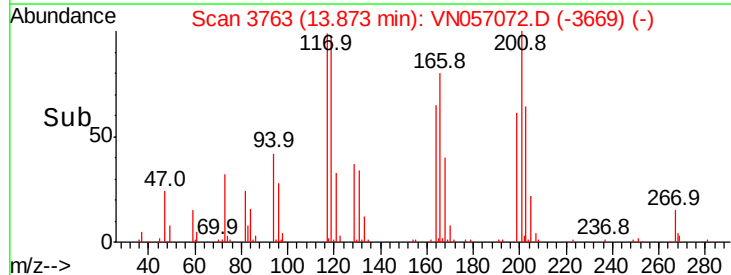
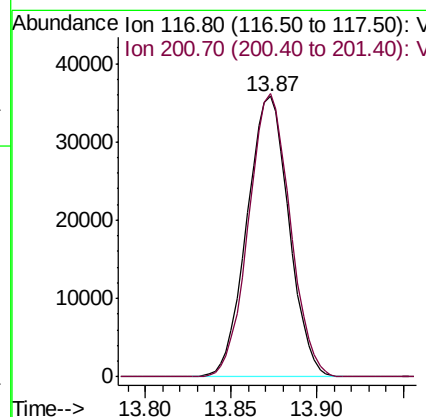
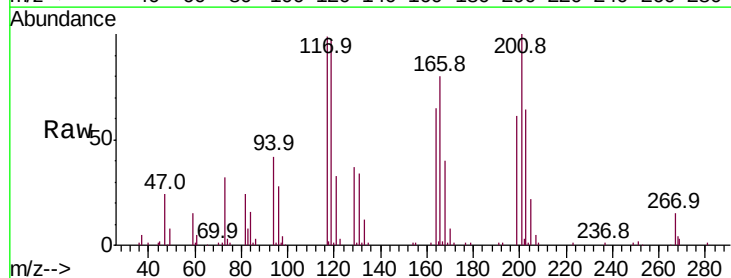
Manual Integrations
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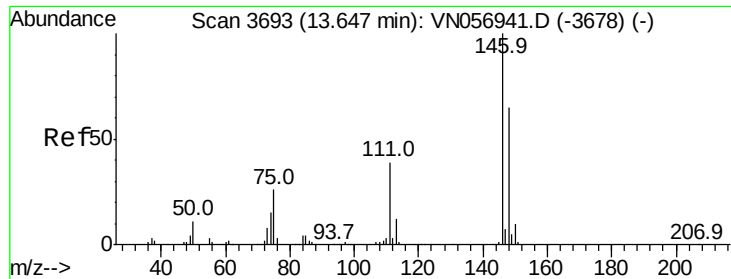
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#90
Hexachloroethane
Concen: 22.114 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.9	47.0	141.2





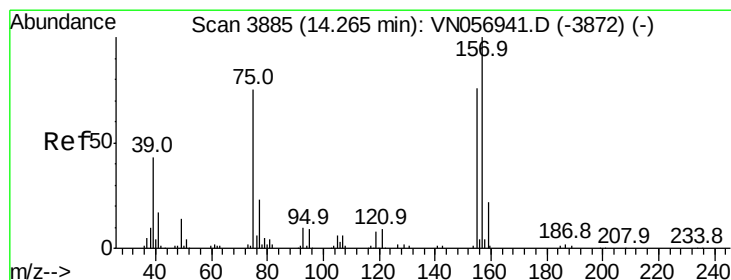
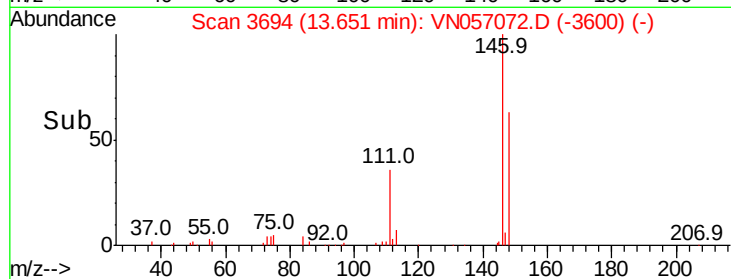
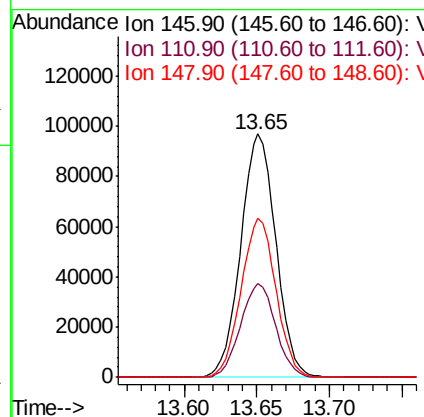
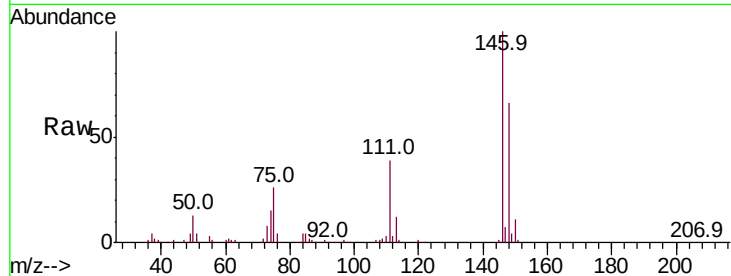
#91
 1,2-Dichlorobenzene
 Concen: 21.823 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.4
148	65.0	32.2	96.6

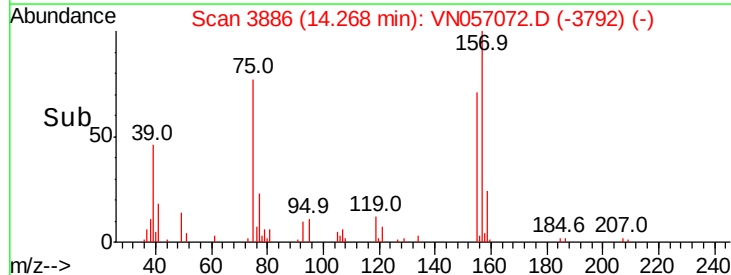
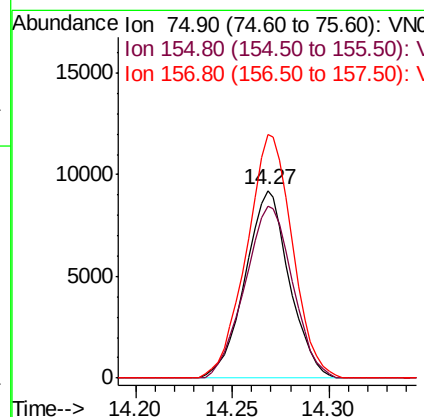
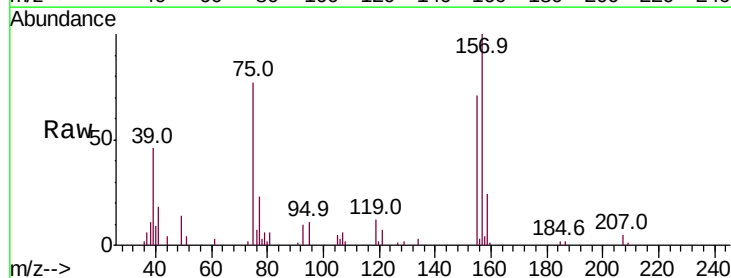
Manual Integrations
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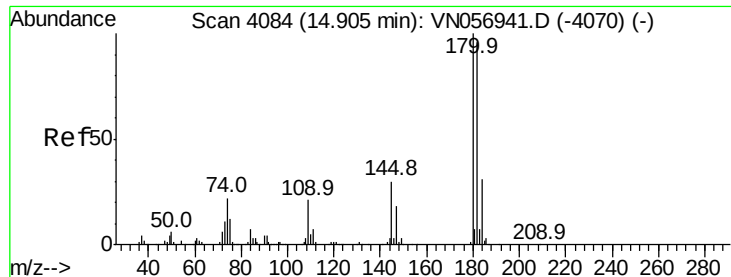
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.368 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	50.2	150.6
157	134.3	65.1	195.4





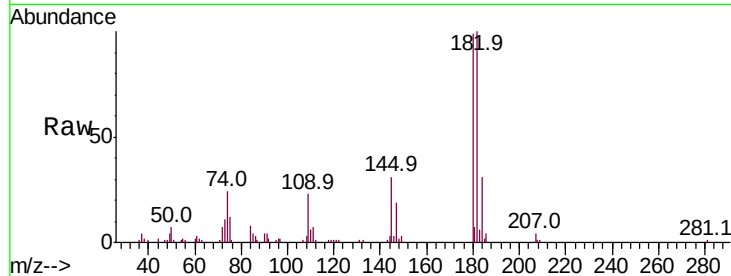
#93
 1,2,4-Trichlorobenzene
 Concen: 15.500 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.6	142.8
145	29.2	14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:45 AM

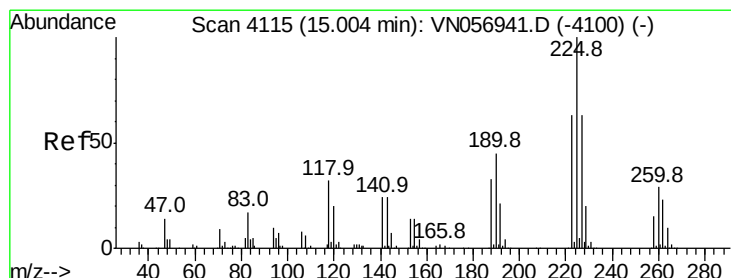
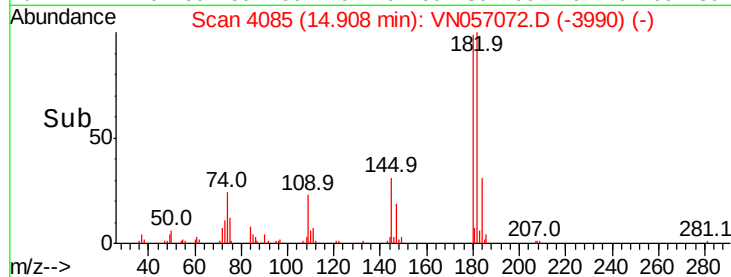
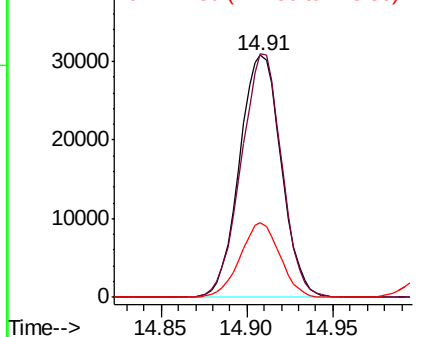


Abundance

Ion 179.80 (179.50 to 180.50): V

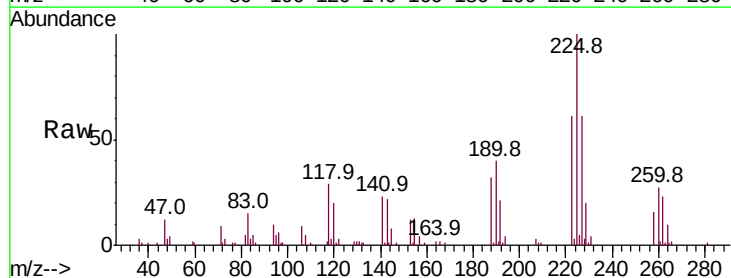
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 25.839 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.8	92.4
227	63.0	31.1	93.5

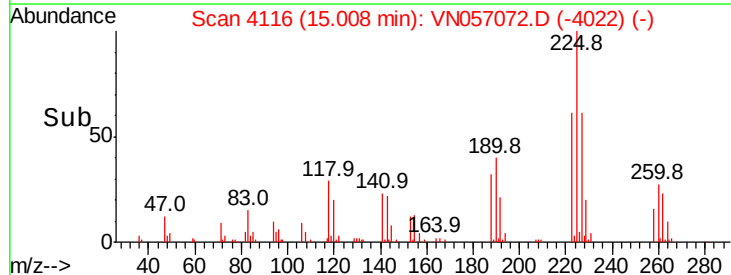
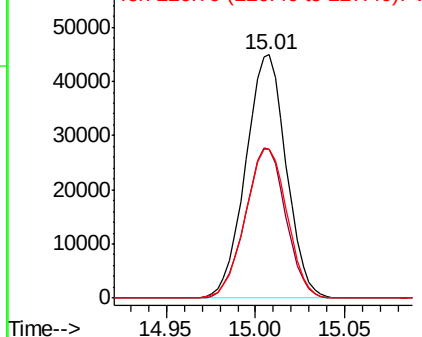


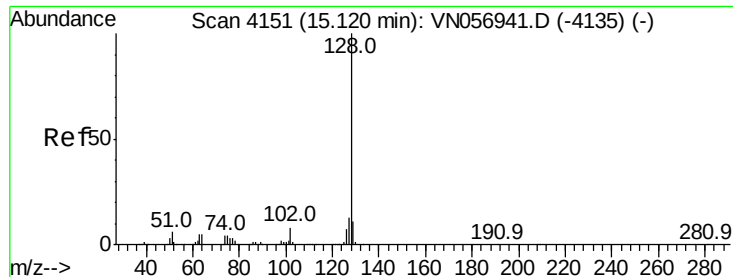
Abundance

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: 15.348 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

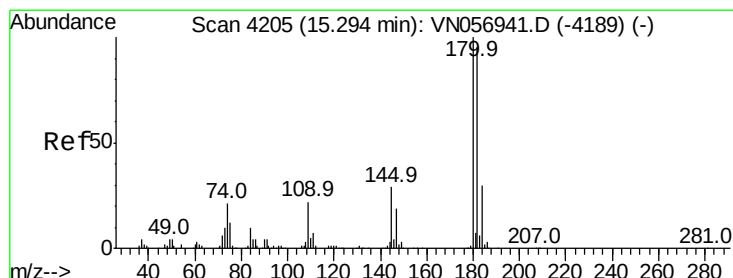
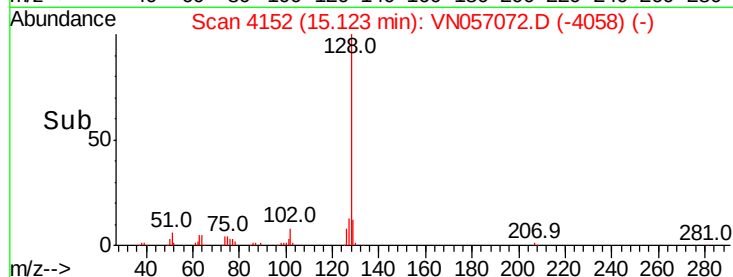
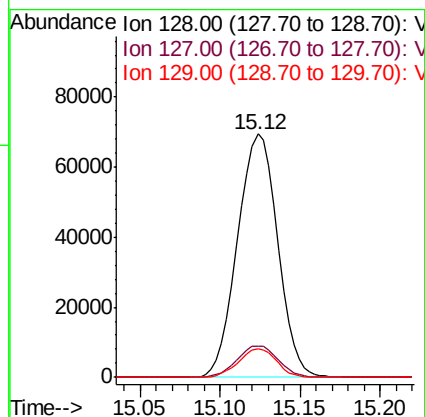
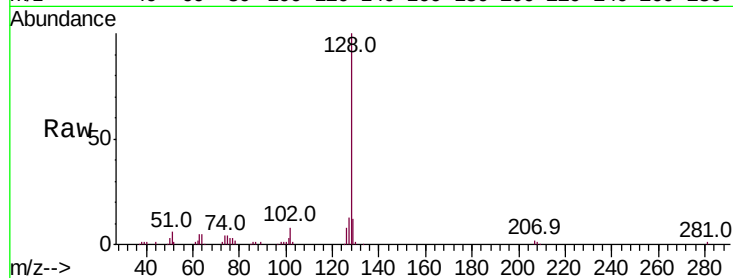
ClientSampleId :

VN0805WBS01

Tot Ion:	128	Resp:	118852
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.0	15.0
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/7/2019 4:09:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.052 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion:	180	Resp:	60801
Ion Ratio	Lower	Upper	
180	100		
182	99.3	48.0	144.2
145	30.5	15.0	45.0

