

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
 Data File : VN056618.D
 Acq On : 8 Jul 2019 18:38
 Operator : JC/SP
 Sample : VN0708WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 9:46:50 AM

Quant Time: Jul 09 04:49:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	294202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	465679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	410609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177291	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	158491	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.59	113	138345	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	10.09	98	512688	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	12.40	95	170564	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	41422	16.628	ug/l	100
3) Chloromethane	2.06	50	56037	16.520	ug/l	96
4) Vinyl Chloride	2.18	62	56581	17.271	ug/l	99
5) Bromomethane	2.53	94	33393m	17.387	ug/l	
6) Chloroethane	2.68	64	32689	17.230	ug/l	100
7) Trichlorofluoromethane	3.00	101	77040	18.179	ug/l	98
8) Diethyl Ether	3.41	74	33430	18.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	48916	18.100	ug/l	99
10) Methyl Iodide	3.95	142	54659	14.964	ug/l	99
11) Tert butyl alcohol	4.79	59	54852	99.880	ug/l	100
12) 1,1-Dichloroethene	3.73	96	45981	17.692	ug/l	98
13) Acrolein	3.60	56	23721	51.249	ug/l	95
14) Allyl chloride	4.32	41	81572	18.855	ug/l	99
15) Acrylonitrile	4.99	53	156332	102.897	ug/l	98
16) Acetone	3.82	43	124472	76.193	ug/l	99
17) Carbon Disulfide	4.05	76	87401	14.786	ug/l	98
18) Methyl Acetate	4.33	43	73933	22.632	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	167430	19.469	ug/l	100
20) Methylene Chloride	4.55	84	58231	18.345	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	49883	17.802	ug/l	100
22) Diisopropyl ether	5.95	45	183293	20.174	ug/l	96
23) Vinyl Acetate	5.90	43	727212	101.478	ug/l	99
24) 1,1-Dichloroethane	5.85	63	101068	19.378	ug/l	99
25) 2-Butanone	6.84	43	206262	95.397	ug/l	99
26) 2,2-Dichloropropane	6.82	77	64337	17.736	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	63188	19.275	ug/l	98
28) Bromochloromethane	7.20	49	48713	18.883	ug/l	99
29) Tetrahydrofuran	7.22	42	142322	107.715	ug/l	97
30) Chloroform	7.37	83	101209	19.666	ug/l	98
31) Cyclohexane	7.65	56	86532	17.186	ug/l	# 96
32) 1,1,1-Trichloroethane	7.57	97	78436	19.228	ug/l	98
36) 1,1-Dichloropropene	7.79	75	69274	16.901	ug/l	99
37) Ethyl Acetate	6.93	43	83575	20.748	ug/l	98
38) Carbon Tetrachloride	7.77	117	63912	17.831	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	79215	15.663	ug/l	97
40) Benzene	8.04	78	225109	17.855	ug/l	99
41) Methacrylonitrile	7.18	41	39249m	22.066	ug/l	
42) 1,2-Dichloroethane	8.12	62	76313	18.341	ug/l	100
43) Isopropyl Acetate	8.17	43	136153	21.921	ug/l #	89
44) Trichloroethene	8.84	130	58988	17.368	ug/l	99
45) 1,2-Dichloropropane	9.12	63	63133	18.724	ug/l	100
46) Dibromomethane	9.21	93	39291	18.625	ug/l	99
47) Bromodichloromethane	9.40	83	72285	19.320	ug/l	100
48) Methyl methacrylate	9.20	41	61184	19.657	ug/l	98
49) 1,4-Dioxane	9.20	88	26093	403.965	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	421779	105.210	ug/l	99
52) Toluene	10.16	92	137865	17.885	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	74617	19.024	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	87420	19.403	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	59313	19.143	ug/l	99
56) Ethyl methacrylate	10.43	69	89502	19.766	ug/l	99
57) 1,3-Dichloropropane	10.71	76	99269	19.072	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	220789	135.727	ug/l	100
59) 2-Hexanone	10.75	43	298225	101.216	ug/l	100
60) Dibromochloromethane	10.90	129	55718	19.044	ug/l	100
61) 1,2-Dibromoethane	11.00	107	60058	18.979	ug/l	99
64) Tetrachloroethene	10.63	164	55381	17.031	ug/l	99
65) Chlorobenzene	11.43	112	148437	17.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	54887	19.683	ug/l	99
67) Ethyl Benzene	11.51	91	257016	17.741	ug/l	100
68) m/p-Xylenes	11.62	106	191833	36.133	ug/l	98
69) o-Xylene	11.95	106	95792	18.237	ug/l	99
70) Styrene	11.96	104	157377	18.745	ug/l	99
71) Bromoform	12.13	173	40099	19.847	ug/l #	97
73) Isopropylbenzene	12.25	105	250893	17.071	ug/l	100
74) N-amyl acetate	12.07	43	99431	17.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	88010	19.471	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76348m	20.768	ug/l	
77) Bromobenzene	12.53	156	65716	16.577	ug/l	96
78) n-propylbenzene	12.59	91	273815	16.865	ug/l	99
79) 2-Chlorotoluene	12.67	91	170901	17.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	208899	17.242	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20766	20.077	ug/l	98
82) 4-Chlorotoluene	12.77	91	161561	16.854	ug/l	99
83) tert-Butylbenzene	12.99	119	182772	16.976	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	211739	17.741	ug/l	98
85) sec-Butylbenzene	13.17	105	235908	16.532	ug/l	100
86) p-Isopropyltoluene	13.29	119	212528	17.354	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	105368	17.539	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	101725	17.484	ug/l	99
89) n-Butylbenzene	13.61	91	164369	17.729	ug/l	99
90) Hexachloroethane	13.87	117	31752	16.630	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	111469	18.701	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14361	21.892	ug/l	99

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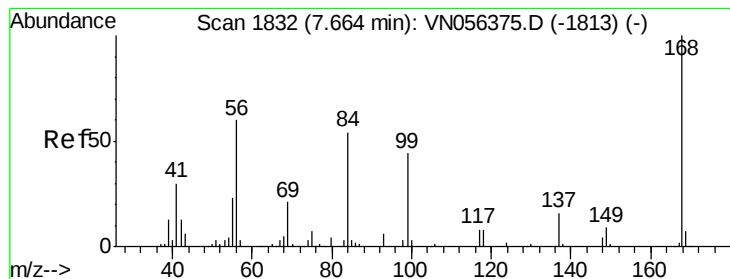
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50123	19.949	ug/l	98
94) Hexachlorobutadiene	15.01	225	36212	16.676	ug/l	99
95) Naphthalene	15.13	128	143027	21.026	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56447	20.459	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion:168 Resp: 294202

Ion Ratio Lower Upper

168 100

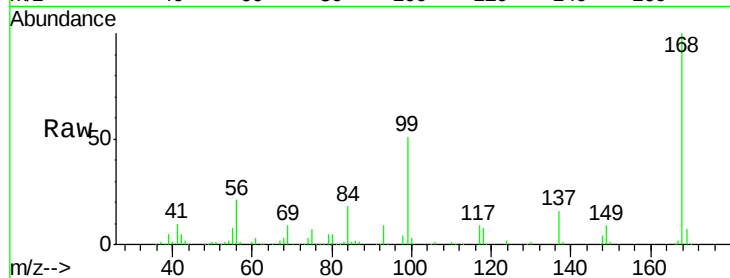
99 50.2 40.6 61.0

Manual Integrations

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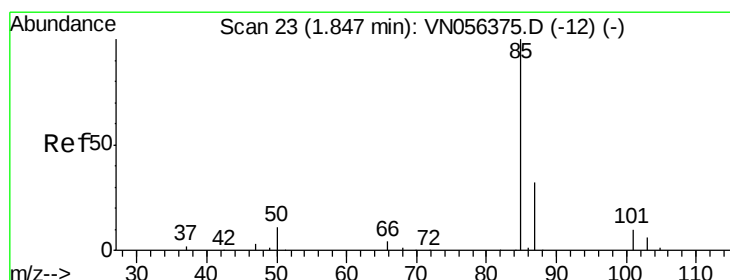
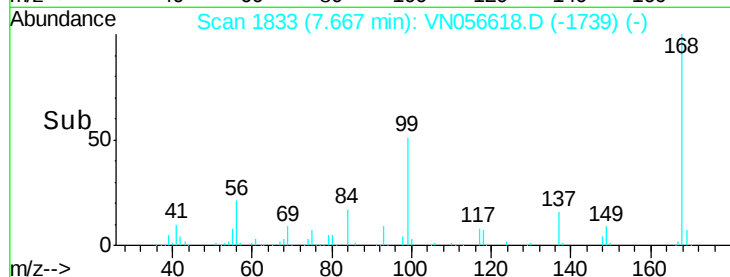
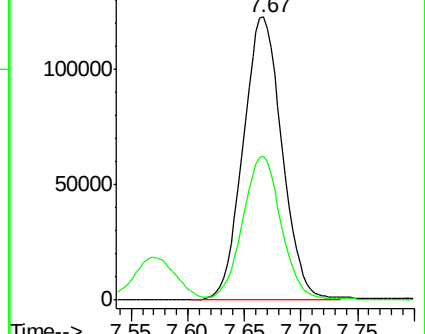
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.628 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056618.D

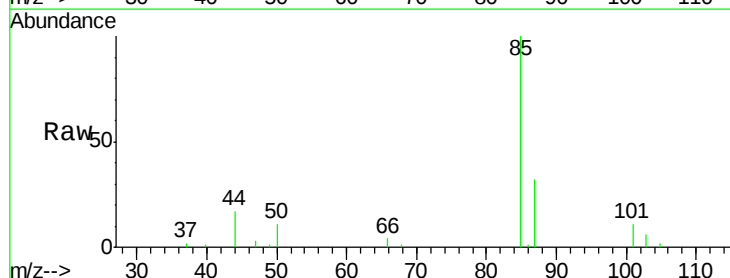
Acq: 8 Jul 2019 18:38

Tgt Ion: 85 Resp: 41422

Ion Ratio Lower Upper

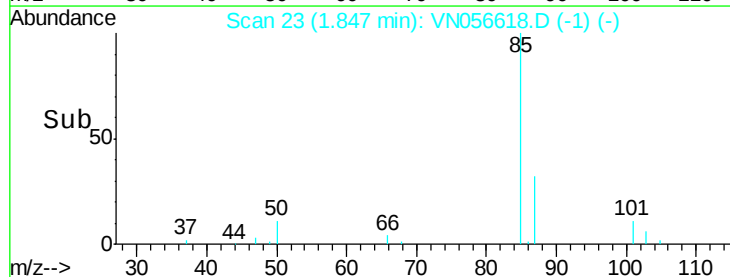
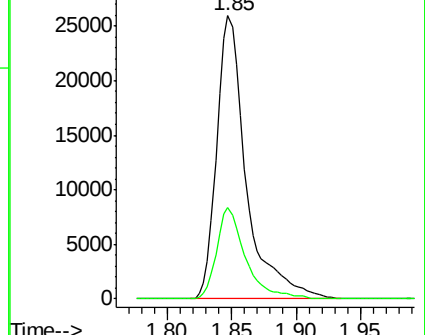
85 100

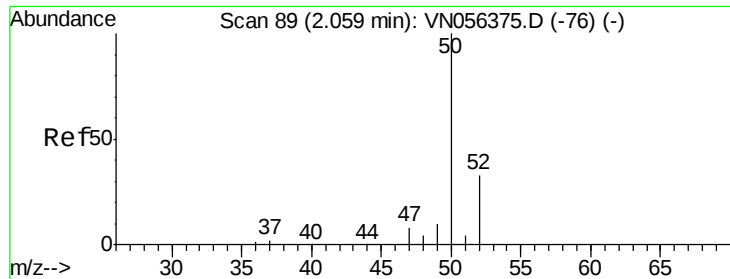
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.520 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 50 Resp: 56037

Ion Ratio Lower Upper

50 100

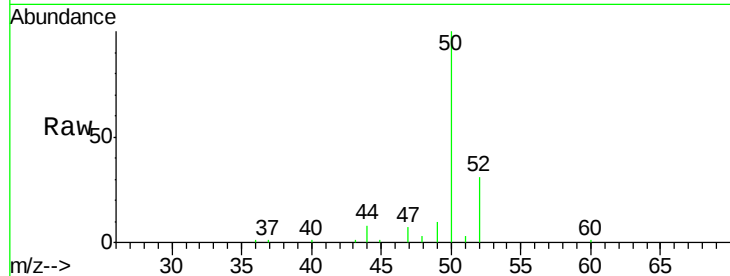
52 30.8 26.5 39.7

Manual Integrations

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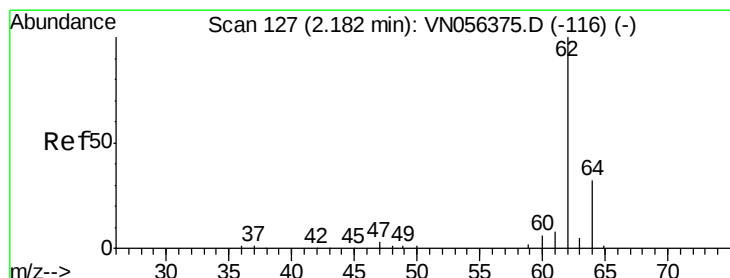
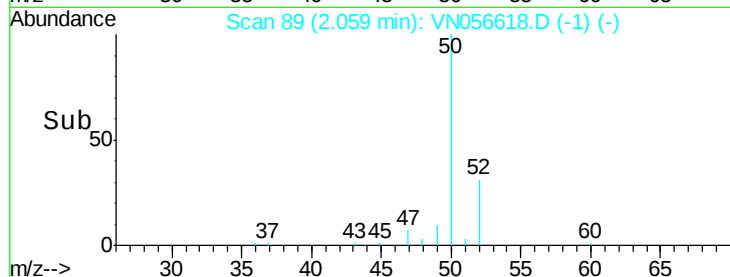
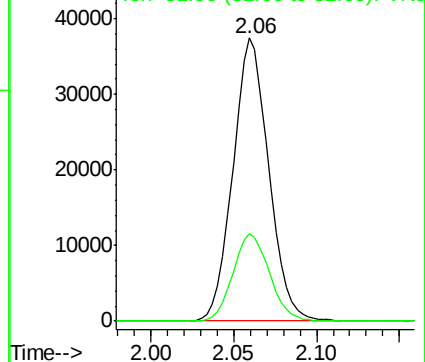
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.271 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056618.D

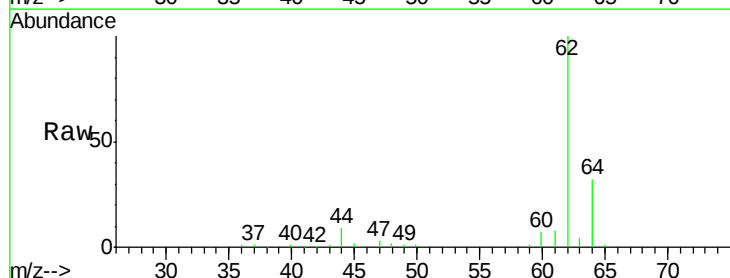
Acq: 8 Jul 2019 18:38

Tgt Ion: 62 Resp: 56581

Ion Ratio Lower Upper

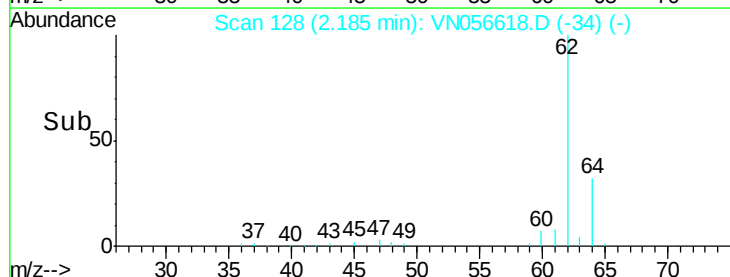
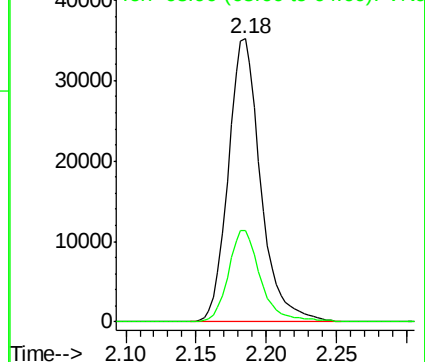
62 100

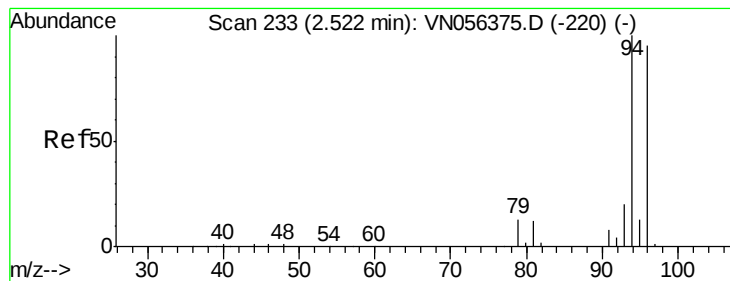
64 32.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.387 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 94 Resp: 33393

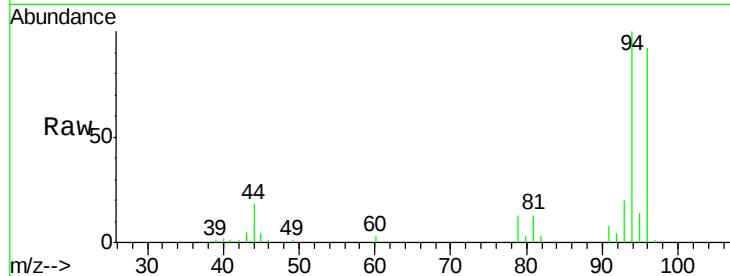
Ion Ratio Lower Upper

94 100

96 91.5 76.0 114.0

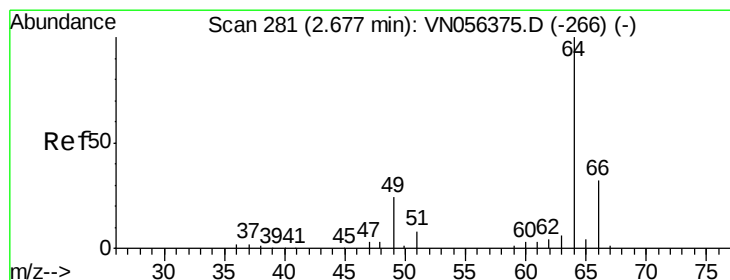
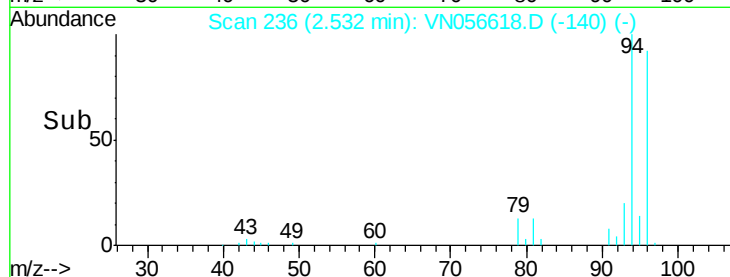
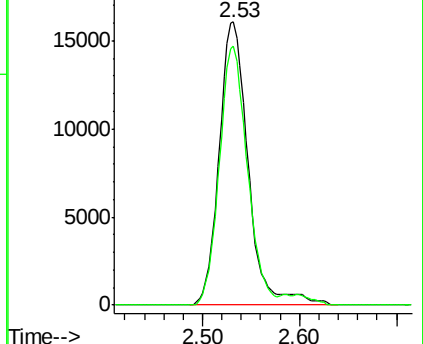
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.230 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN056618.D

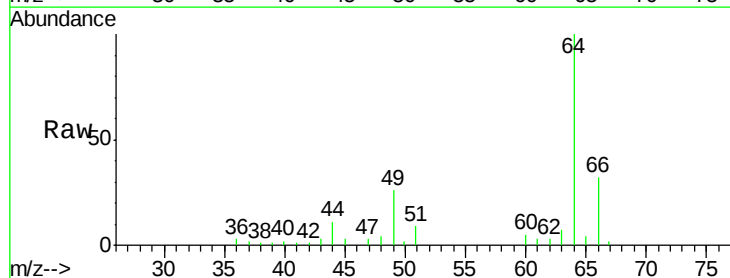
Acq: 8 Jul 2019 18:38

Tgt Ion: 64 Resp: 32689

Ion Ratio Lower Upper

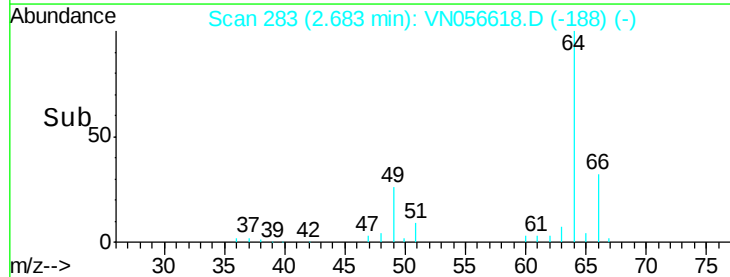
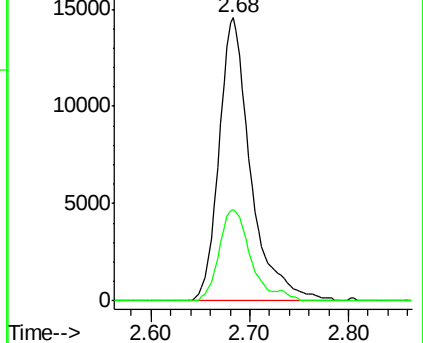
64 100

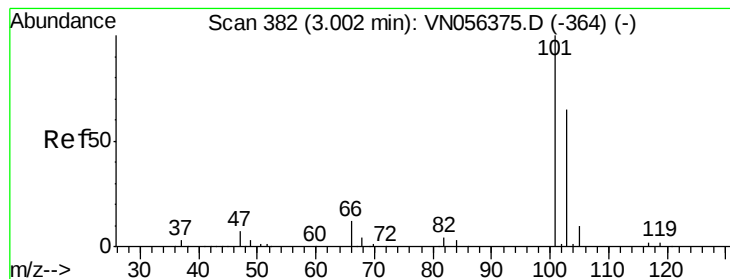
66 32.2 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

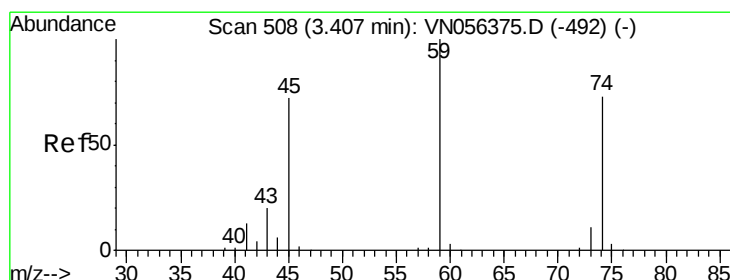
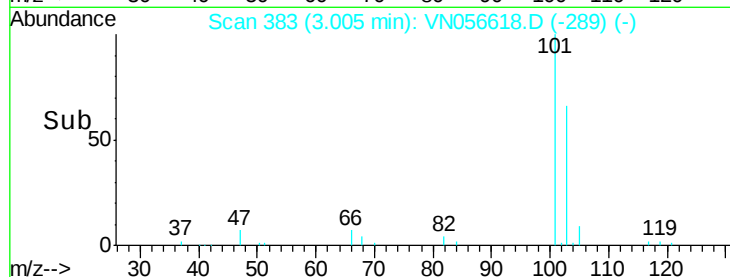
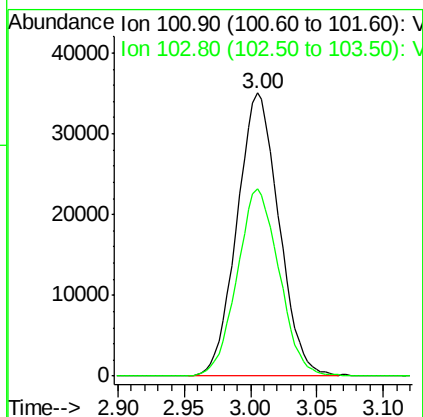
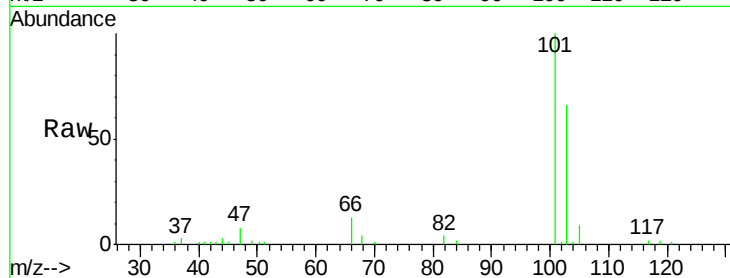
Trichlorofluoromethane
Concen: 18.179 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
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VN0708WBSD01

Tot Ion:101 Resp: 77040
Ion Ratio Lower Upper
101 100
103 66.0 51.7 77.5

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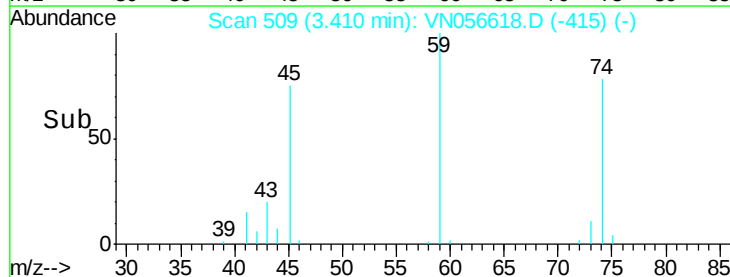
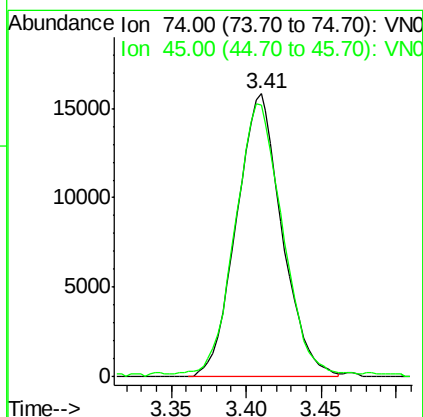
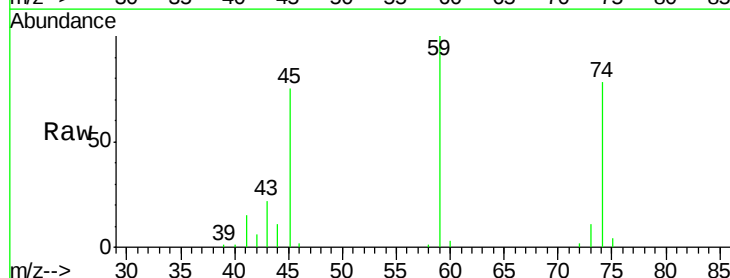
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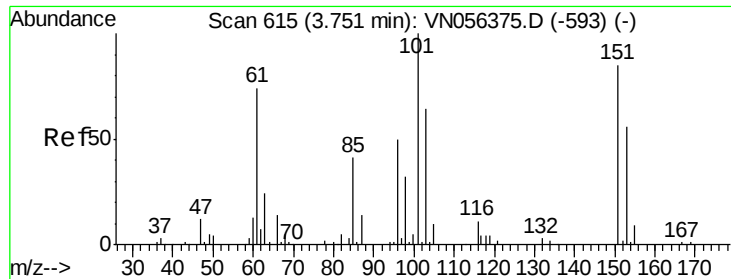


#8

Diethyl Ether
Concen: 18.639 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion: 74 Resp: 33430
Ion Ratio Lower Upper
74 100
45 98.3 48.9 146.6





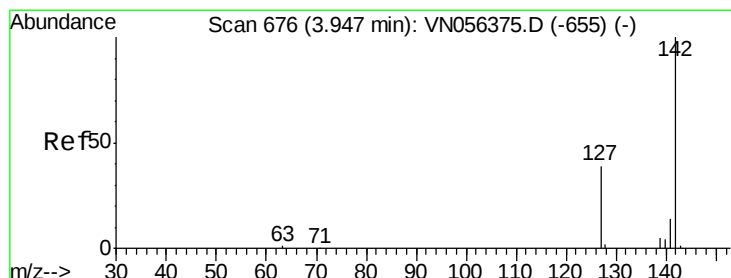
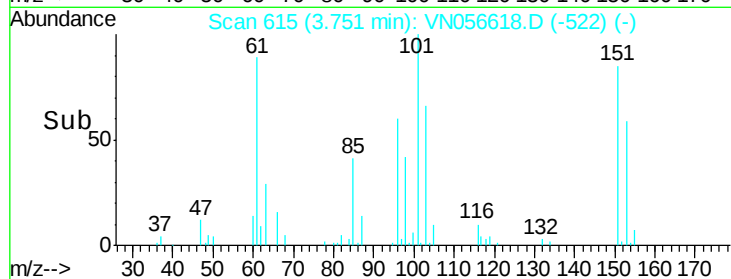
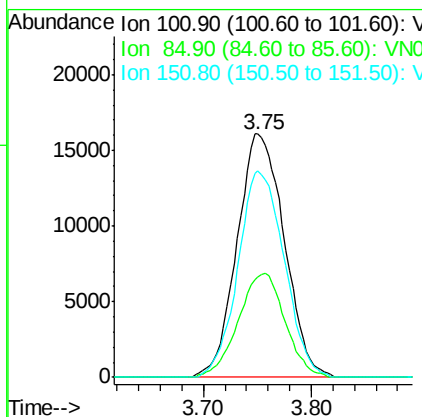
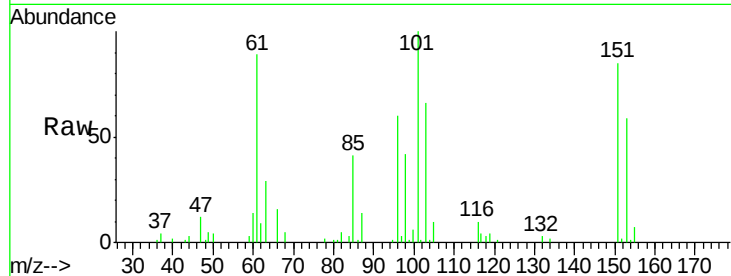
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.100 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.1	32.7	49.1
151	83.1	66.8	100.2

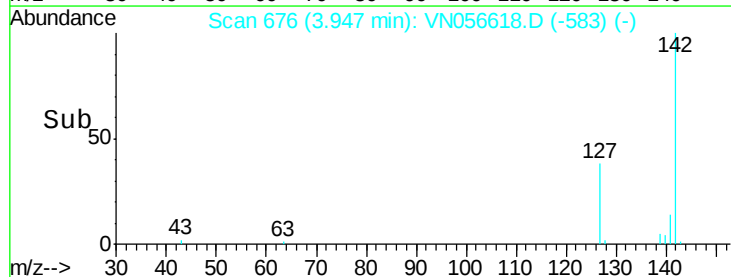
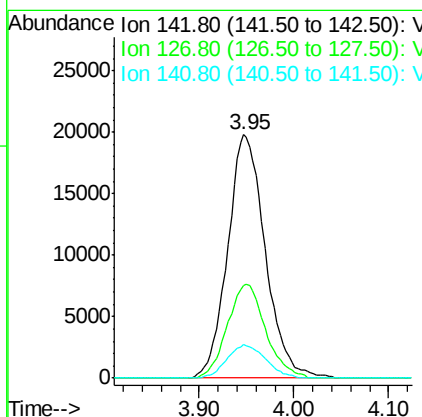
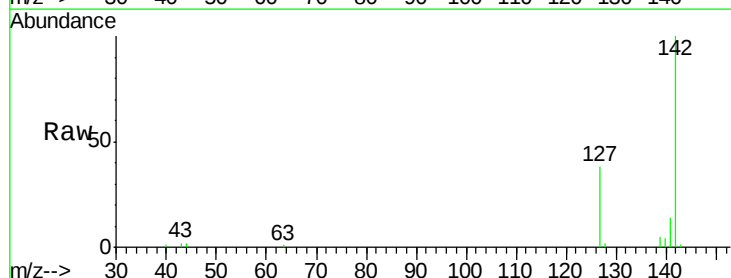
Manual Integrations
 APPROVED

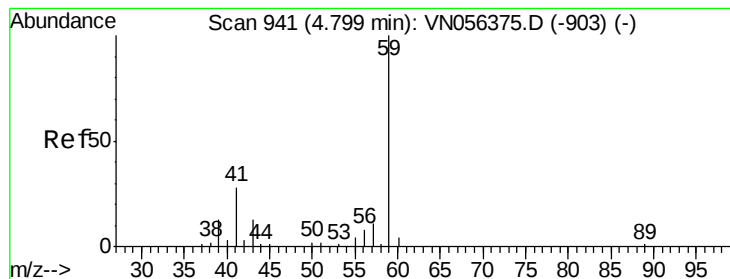
MMDadoda
 7/9/2019 9:46:50 AM



#10
 Methyl Iodide
 Concen: 14.964 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.1	30.6	46.0
141	14.1	11.4	17.2





#11

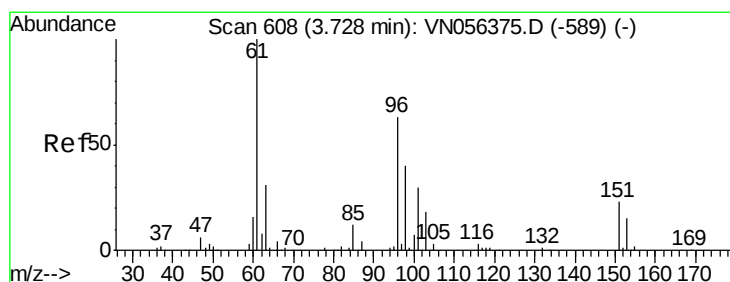
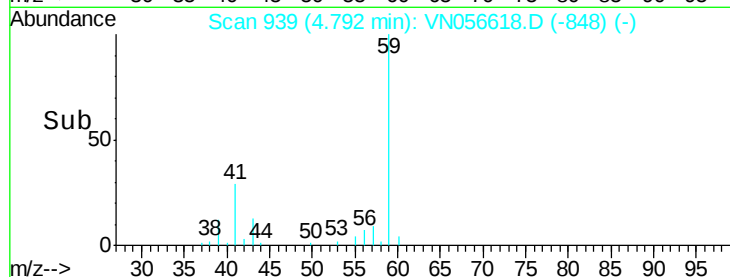
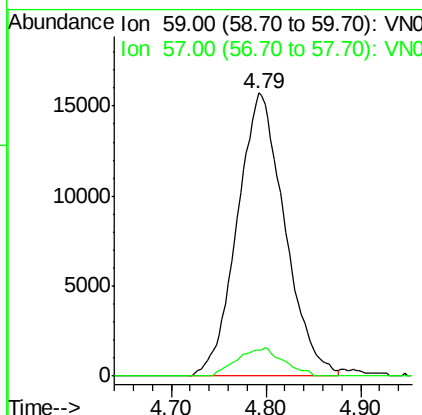
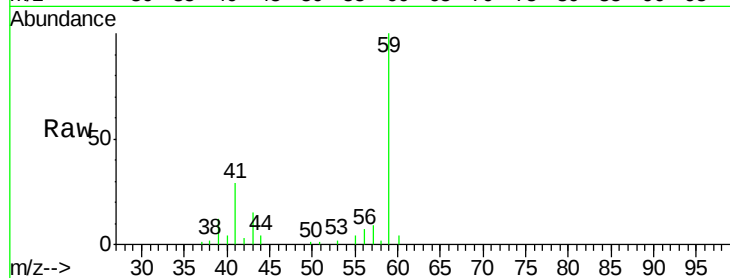
Tert butyl alcohol
 Concen: 99.880 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.6	11.4

Manual Integrations
 APPROVED

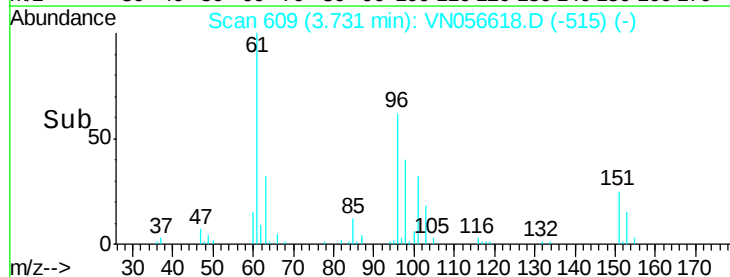
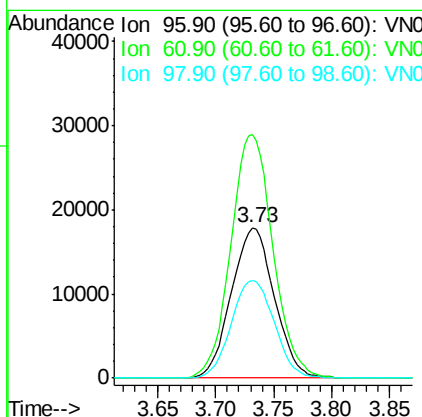
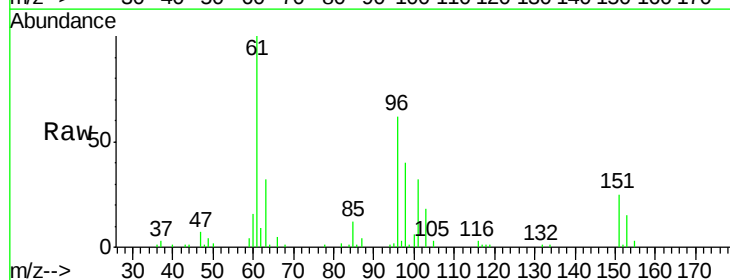
MMDadoda
 7/9/2019 9:46:50 AM

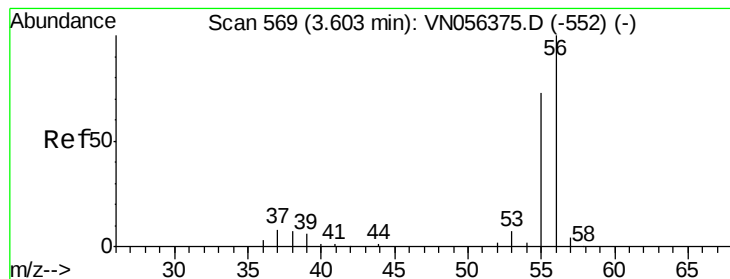


#12

1,1-Dichloroethene
 Concen: 17.692 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	126.6	190.0
98	64.9	51.1	76.7





#13

Acrolein

Concen: 51.249 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 56 Resp: 23721

Ion Ratio Lower Upper

56 100

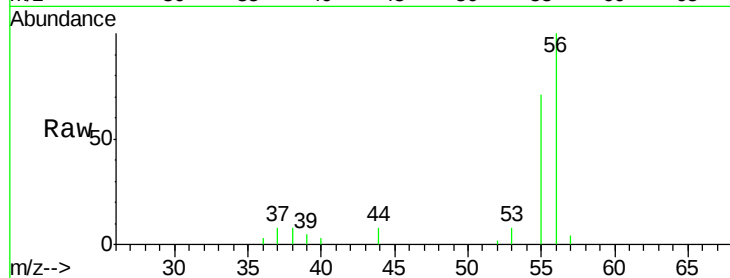
55 67.6 57.1 85.7

Manual Integrations

APPROVED

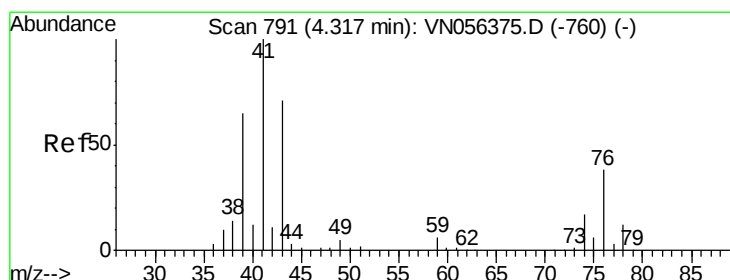
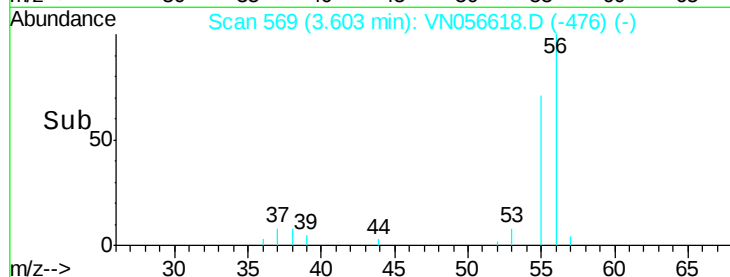
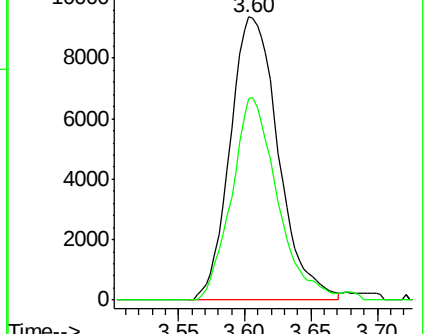
MMDadoda

7/9/2019 9:46:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.855 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

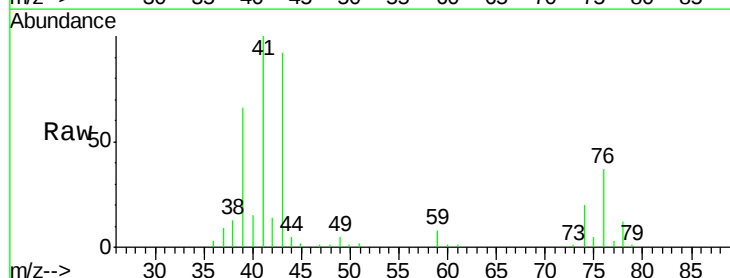
Tgt Ion: 41 Resp: 81572

Ion Ratio Lower Upper

41 100

39 61.1 48.6 73.0

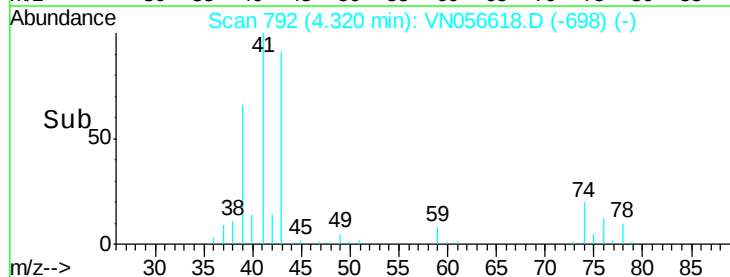
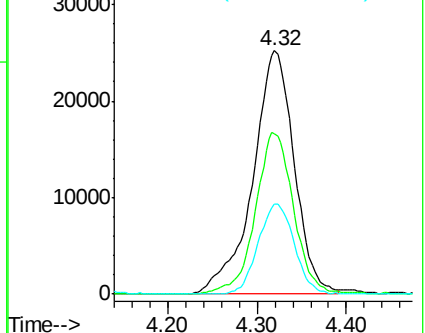
76 32.1 26.6 40.0

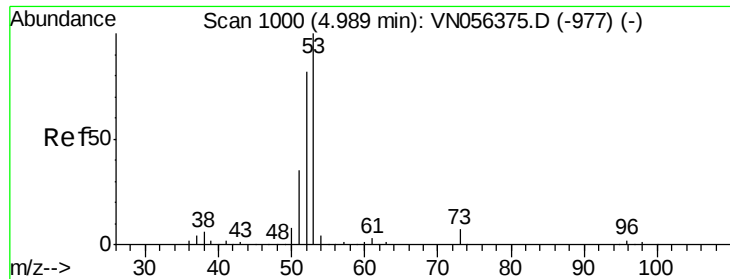


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





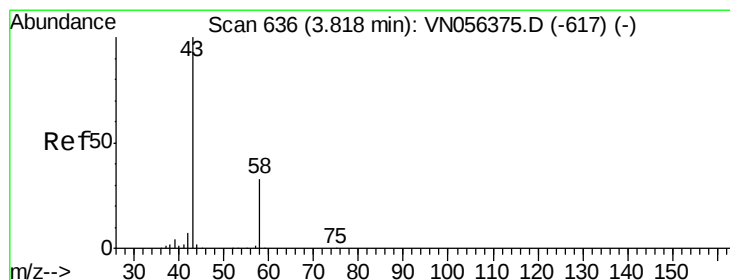
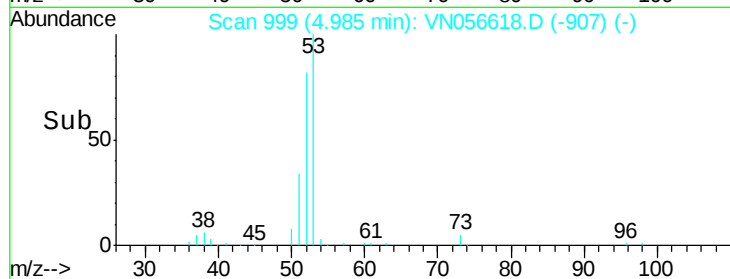
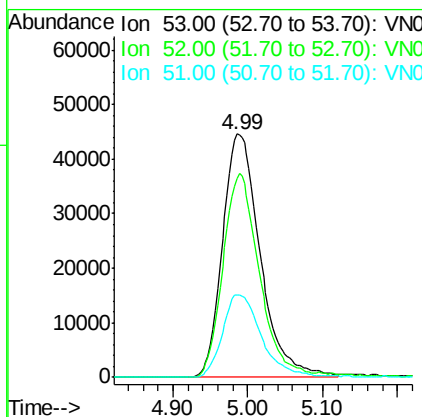
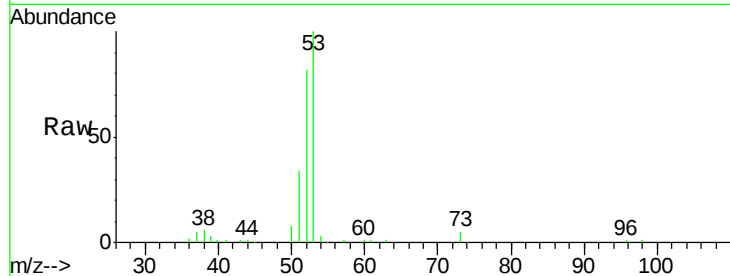
#15
 Acrylonitrile
 Concen: 102.897 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.9	98.9
51	34.9	28.3	42.5

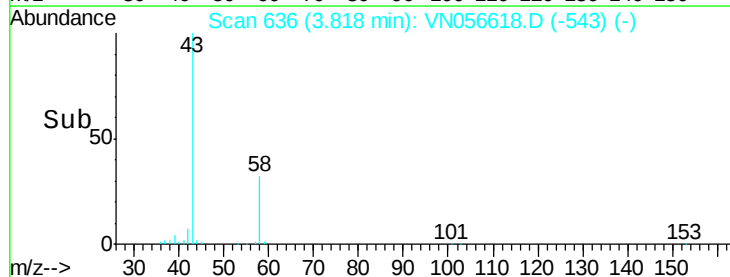
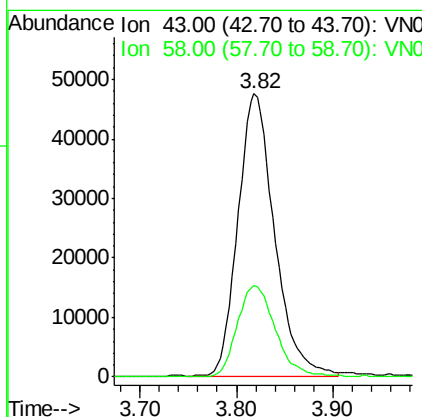
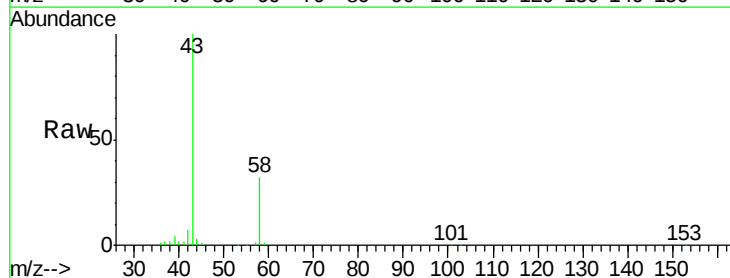
Manual Integrations
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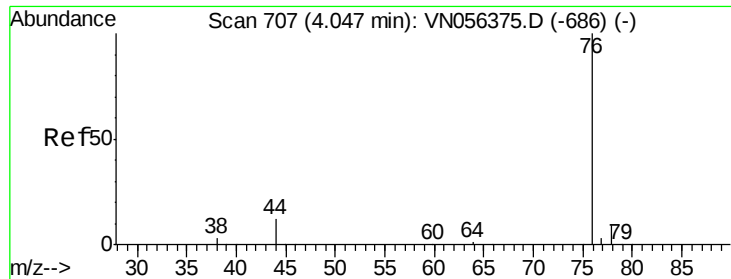
MMDadoda
 7/9/2019 9:46:50 AM



#16
 Acetone
 Concen: 76.193 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.4	39.6





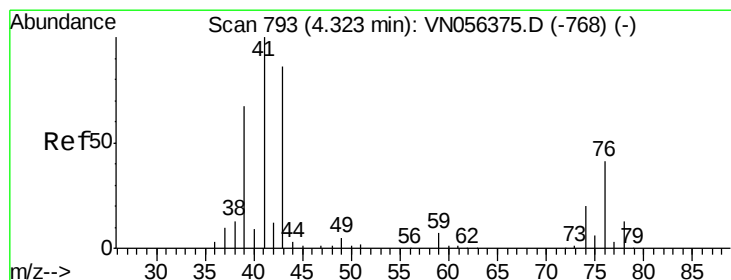
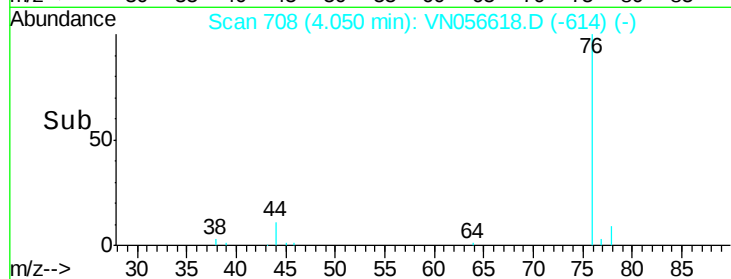
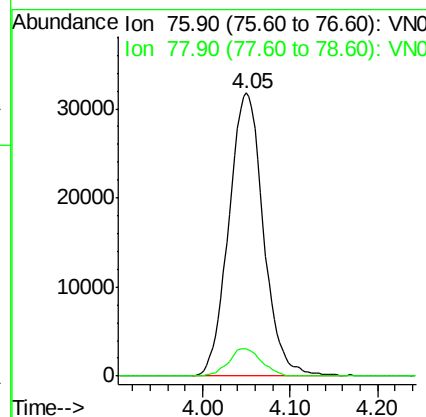
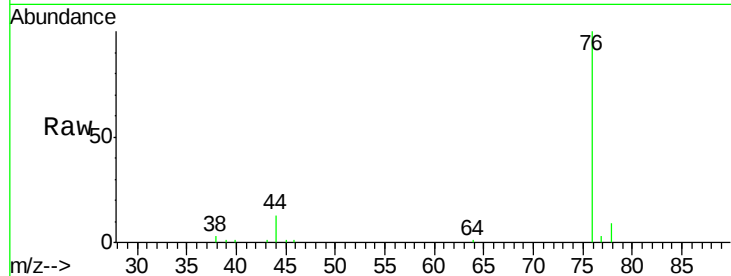
#17
Carbon Disulfide
Concen: 14.786 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion: 76 Resp: 87401
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

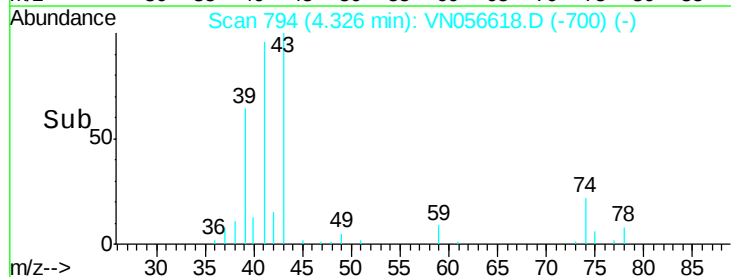
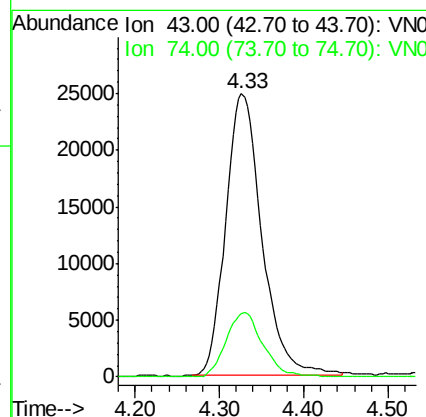
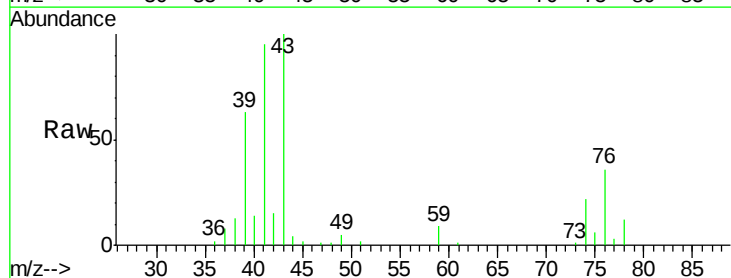
Manual Integrations
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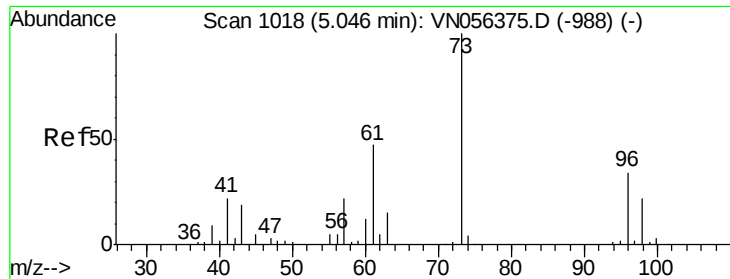
MMDadoda
7/9/2019 9:46:50 AM



#18
Methyl Acetate
Concen: 22.632 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion: 43 Resp: 73933
Ion Ratio Lower Upper
43 100
74 23.0 19.2 28.8





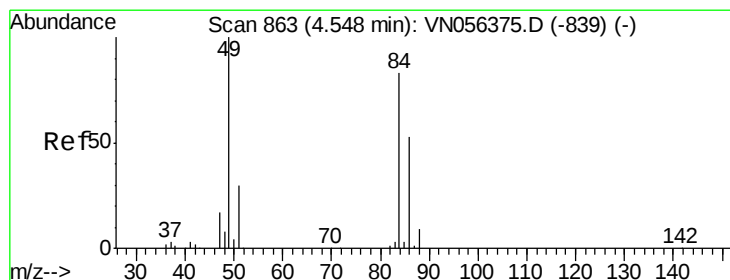
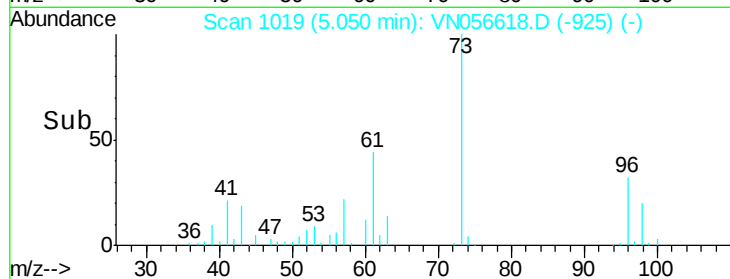
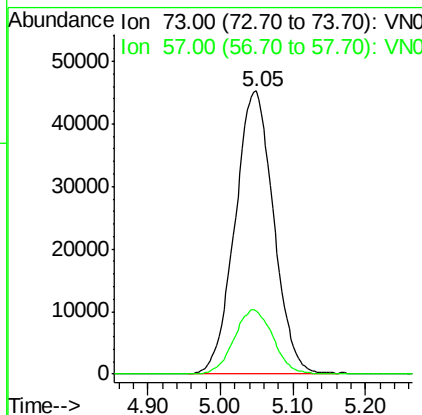
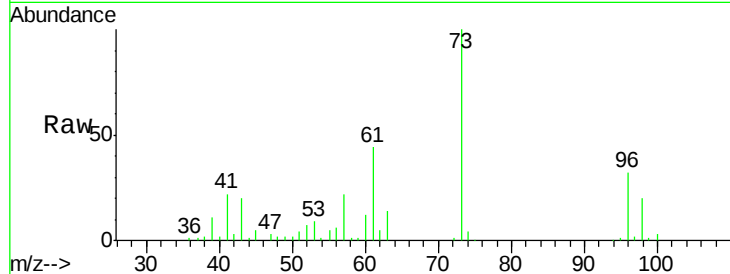
#19
Methvl tert-butvl Ether
Concen: 19.469 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion: 73 Resp: 167430
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

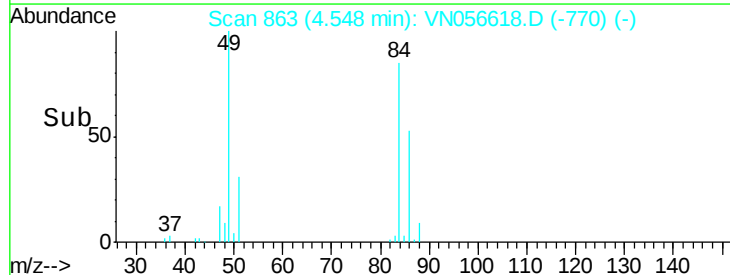
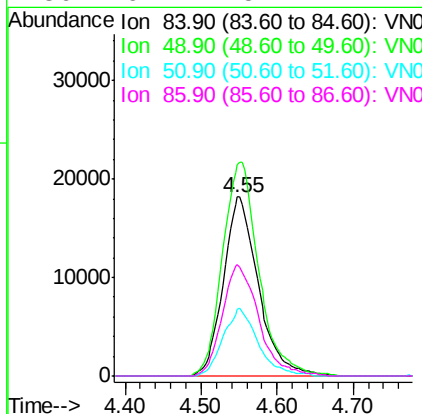
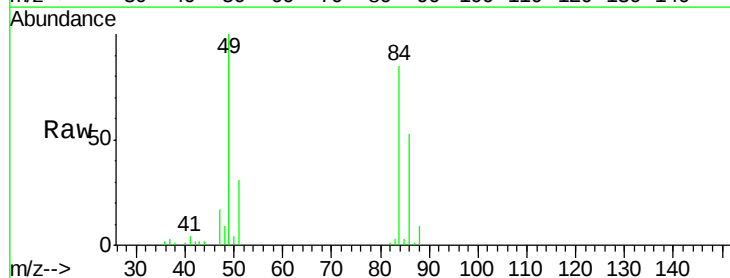
Manual Integrations
APPROVED

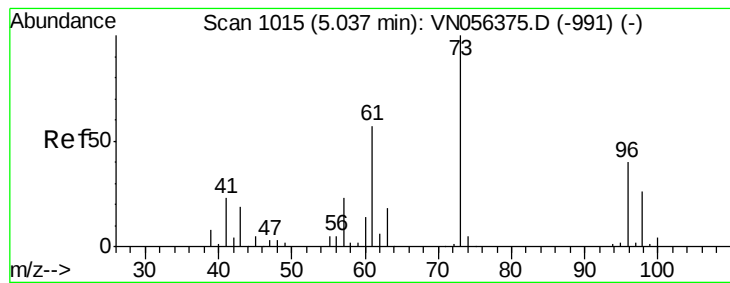
MMDadoda
7/9/2019 9:46:50 AM



#20
Methylene Chloride
Concen: 18.345 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion: 84 Resp: 58231
Ion Ratio Lower Upper
84 100
49 117.7 96.4 144.6
51 37.1 28.6 43.0
86 62.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 17.802 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 96 Resp: 49883

Ion Ratio Lower Upper

96 100

61 141.0 113.0 169.6

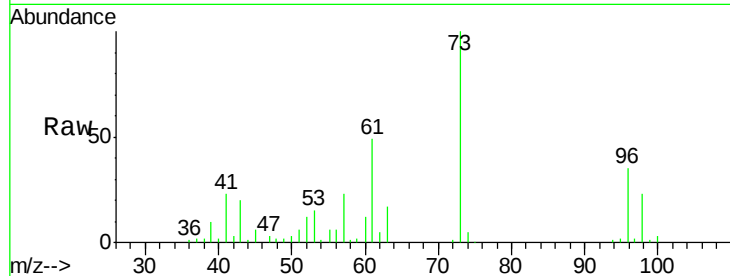
98 65.4 52.2 78.2

Manual Integrations

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MMDadoda

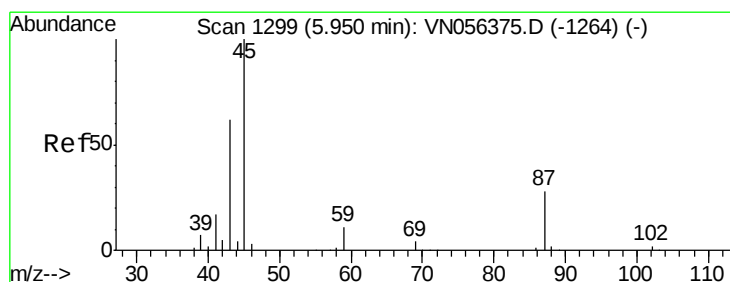
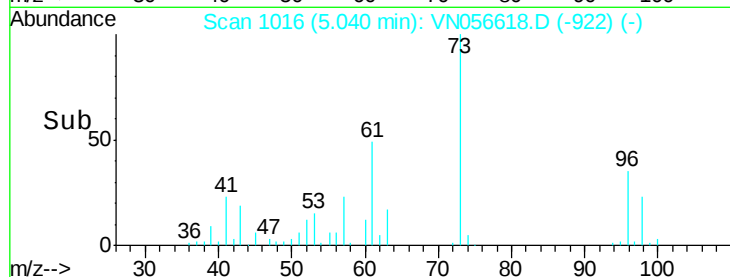
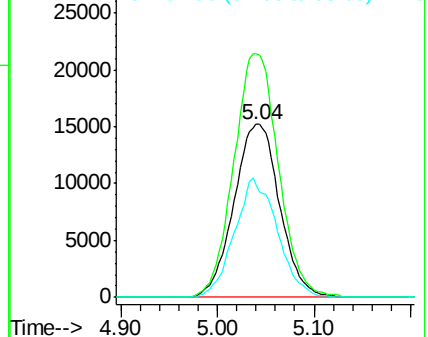
7/9/2019 9:46:50 AM



Abundance Ion 95.90 (95.60 to 96.60): VN056618.D (-922) (-)

Ion 60.90 (60.60 to 61.60): VN056618.D (-922) (-)

Ion 97.90 (97.60 to 98.60): VN056618.D (-922) (-)



#22

Diisopropyl ether

Concen: 20.174 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Tgt Ion: 45 Resp: 183293

Ion Ratio Lower Upper

45 100

43 65.6 50.4 75.6

87 26.0 23.0 34.4

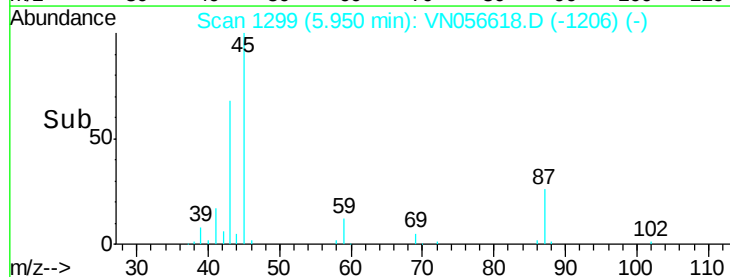
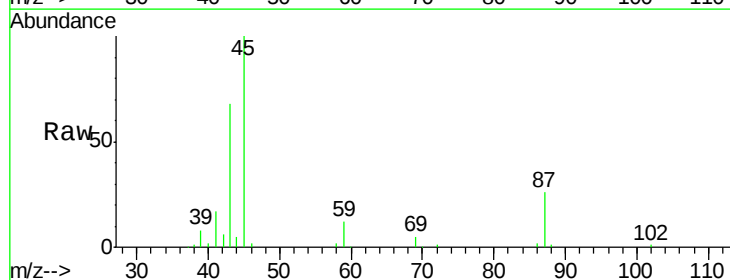
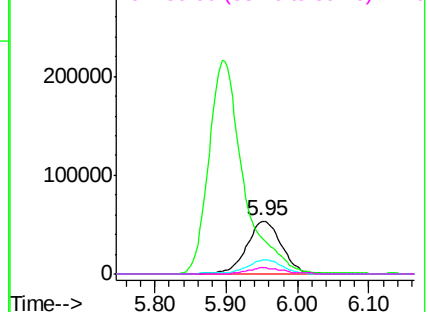
59 11.6 9.1 13.7

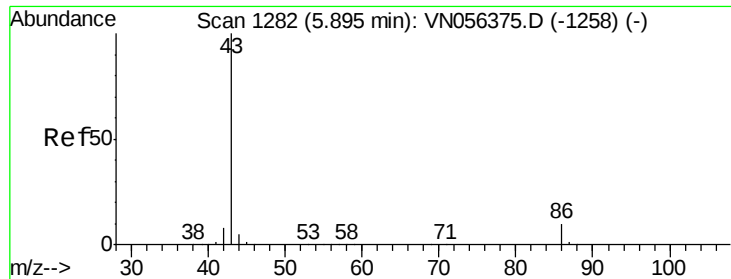
Abundance Ion 45.00 (44.70 to 45.70): VN056618.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN056618.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN056618.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN056618.D (-1206) (-)





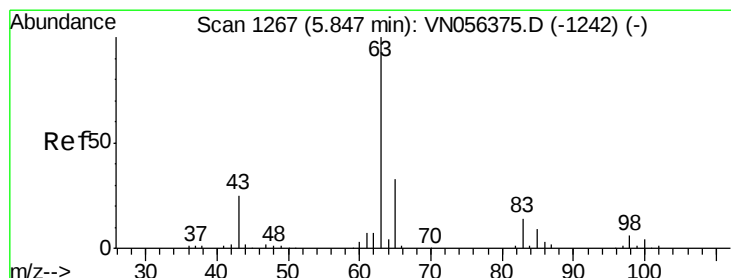
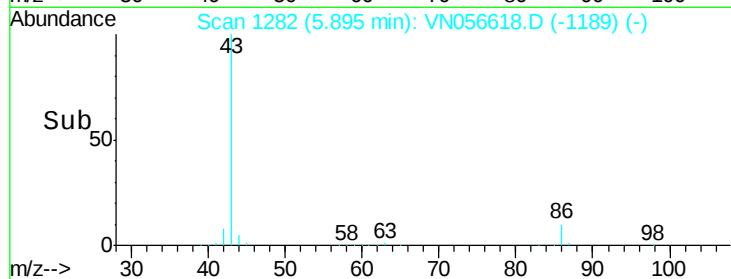
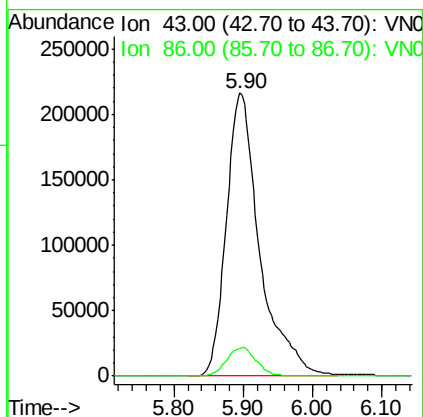
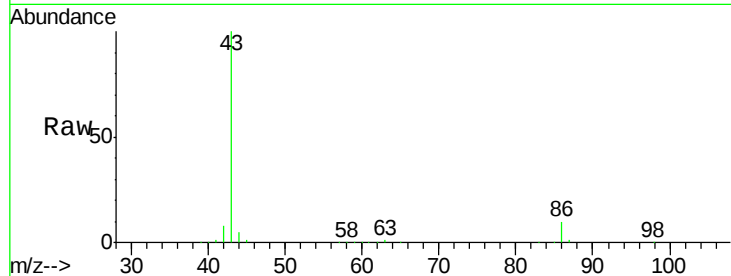
#23
 Vinyl Acetate
 Concen: 101.478 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.3	12.5

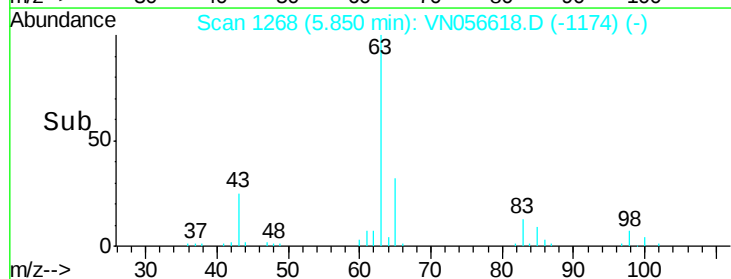
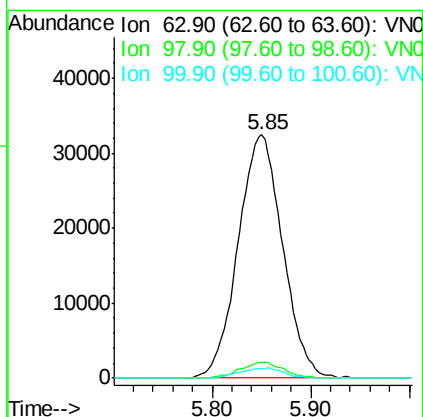
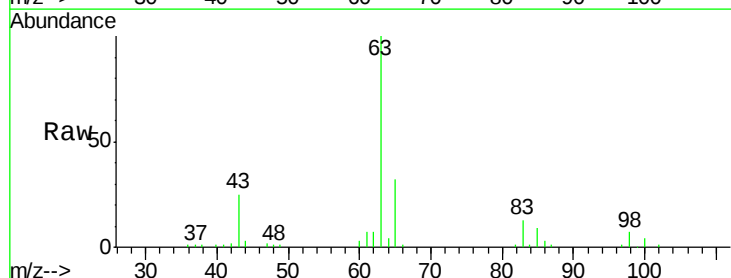
Manual Integrations
 APPROVED

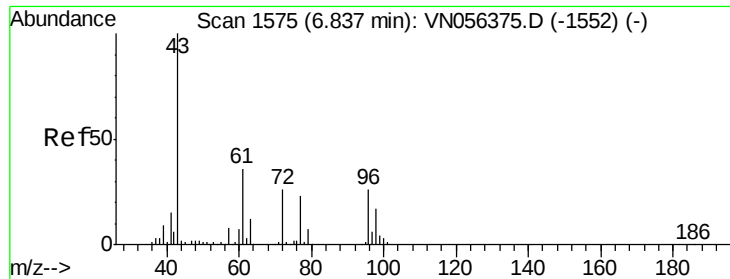
MMDadoda
 7/9/2019 9:46:50 AM



#24
 1,1-Dichloroethane
 Concen: 19.378 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.2	9.6
100	3.8	2.1	6.5





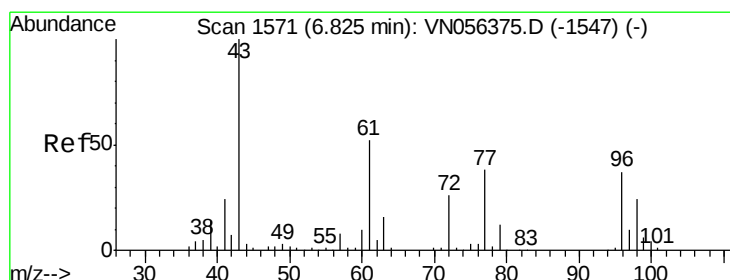
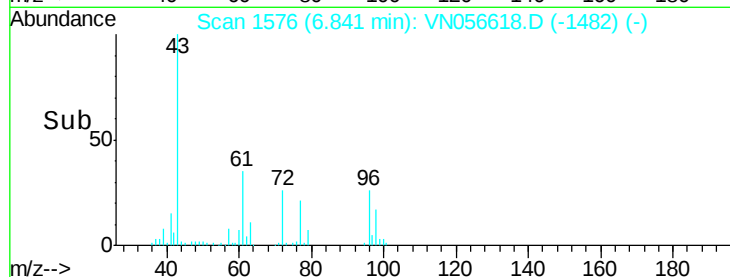
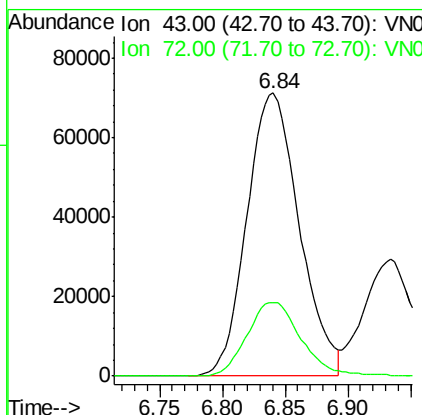
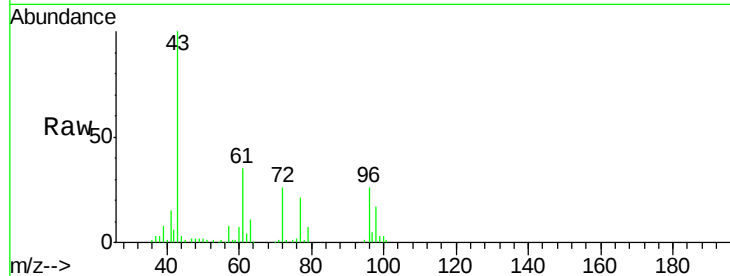
#25
2-Butanone
Concen: 95.397 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	43	Resp	206262
Ion Ratio	43	100	
Lower	72	26.2	20.6
Upper			31.0

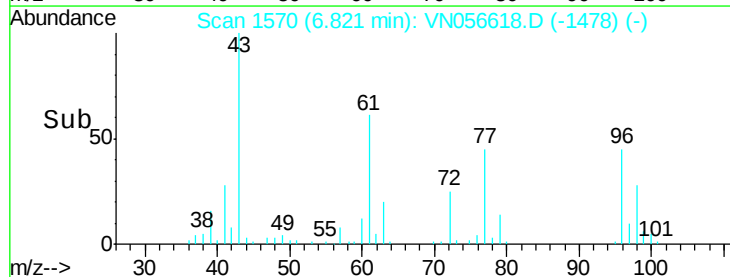
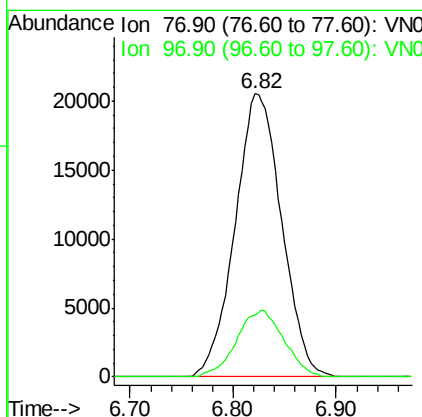
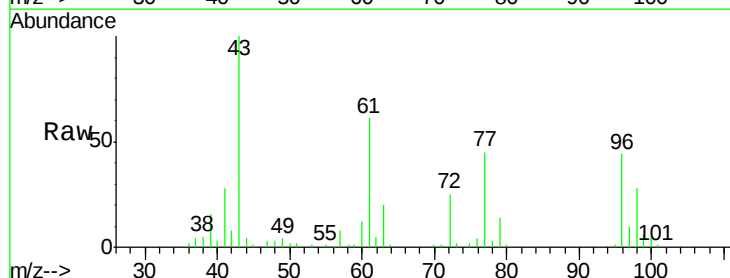
Manual Integrations
APPROVED

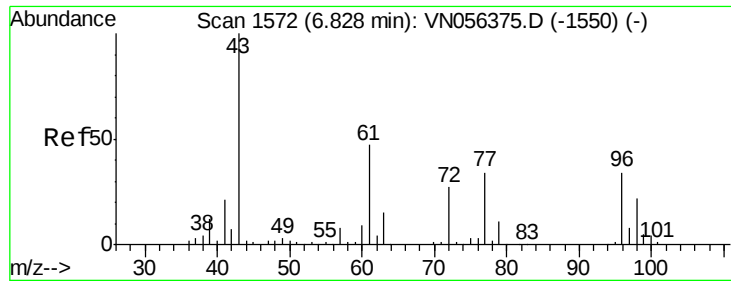
MMDadoda
7/9/2019 9:46:50 AM



#26
2,2-Dichloropropane
Concen: 17.736 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	77	Resp	64337
Ion Ratio	77	100	
Lower	97	23.8	11.9
Upper			35.5





#27

cis-1,2-Dichloroethene

Concen: 19.275 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

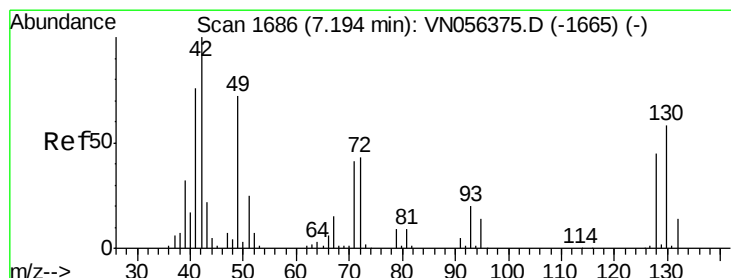
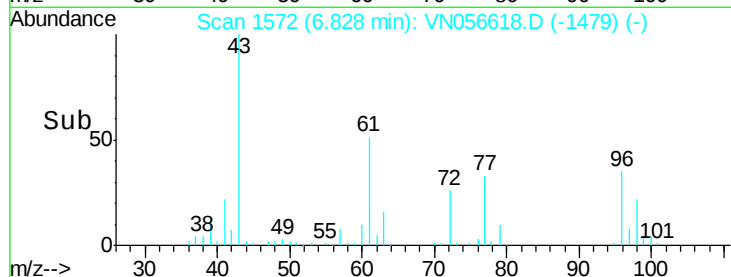
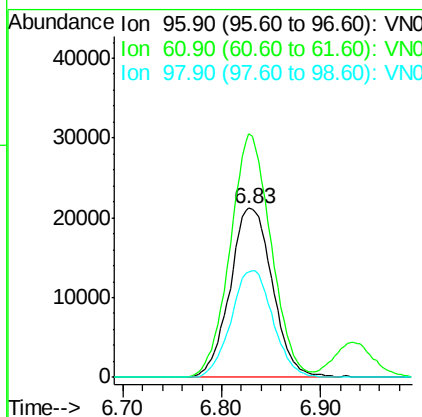
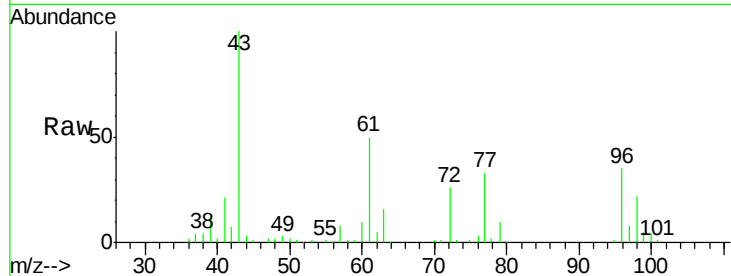
ClientSampleId :

VN0708WBSD01

Tot Ion:	96	Resp:	63188
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	279.8
98	62.2	0.0	130.0

Manual Integrations
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MMDadoda
7/9/2019 9:46:50 AM



#28

Bromochloromethane

Concen: 18.883 ug/l

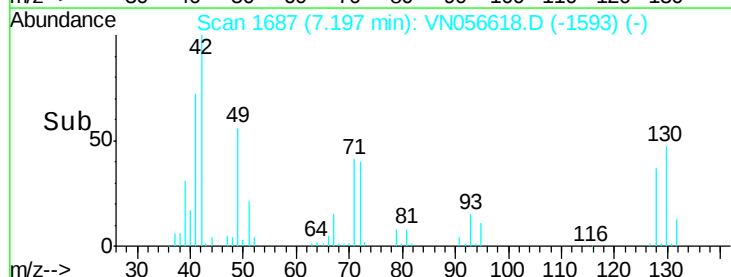
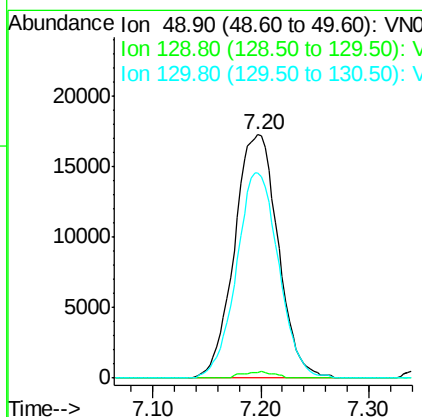
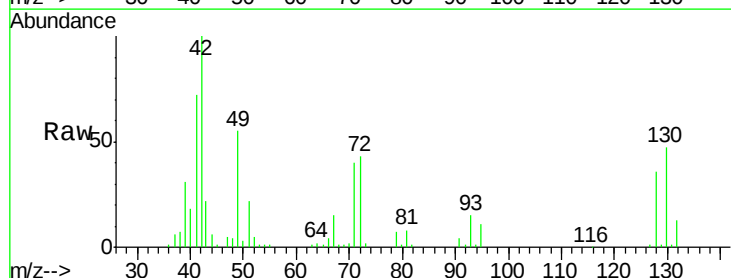
RT: 7.20 min Scan# 1687

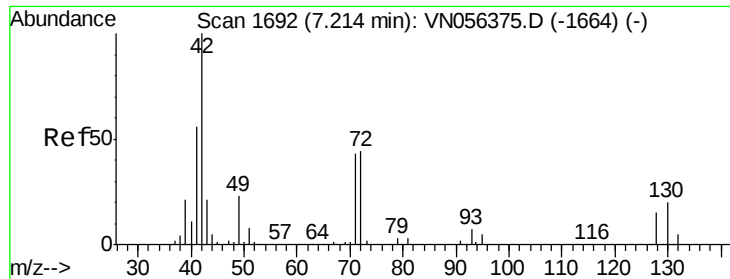
Delta R.T. 0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Tgt Ion:	49	Resp:	48713
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	81.6	64.9	97.3





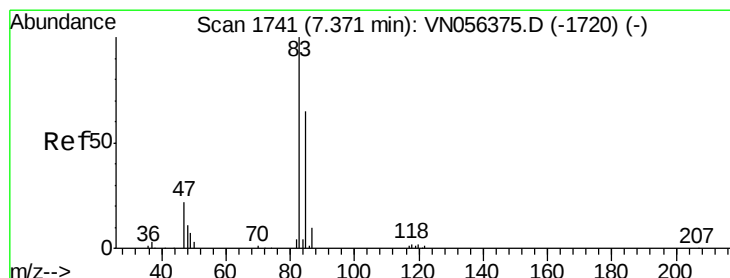
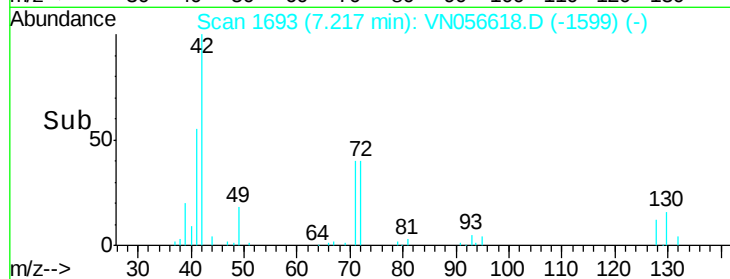
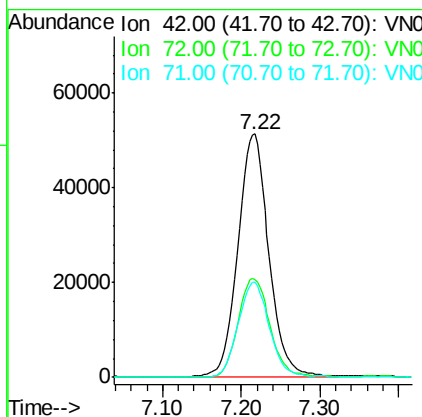
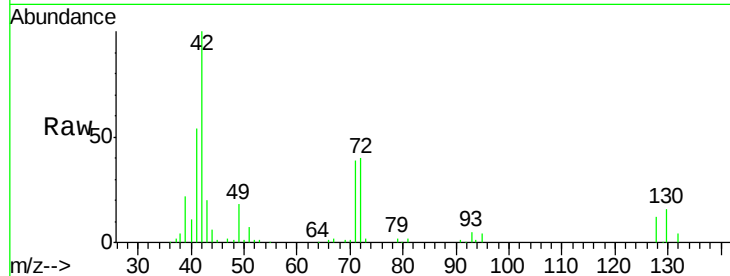
#29
Tetrahydrofuran
Concen: 107.715 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.7	52.1
71	39.2	33.0	49.6

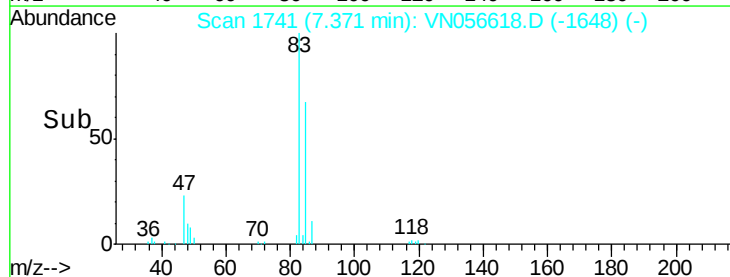
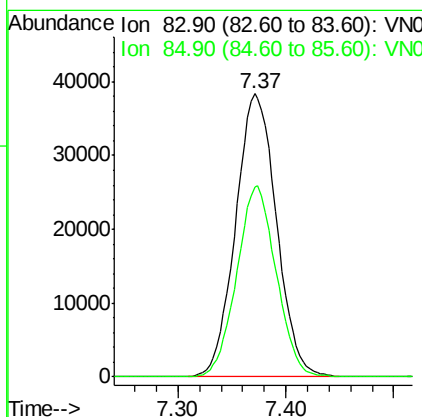
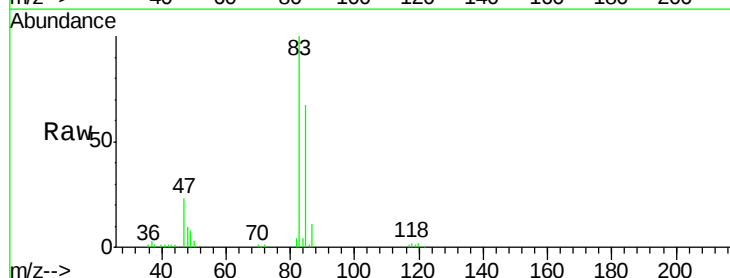
Manual Integrations
APPROVED

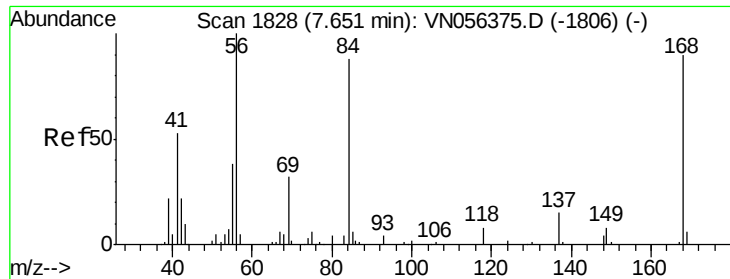
MMDadoda
7/9/2019 9:46:50 AM



#30
Chloroform
Concen: 19.666 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.3	78.5





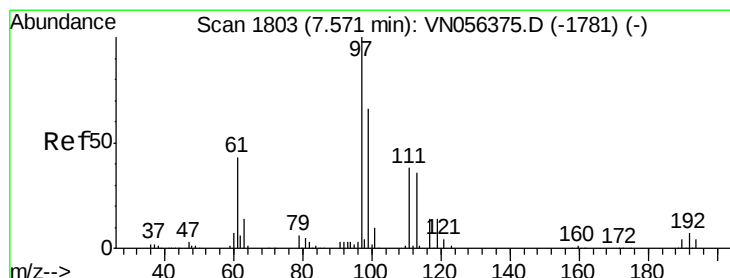
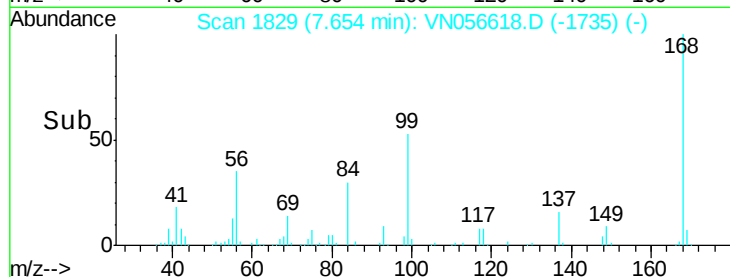
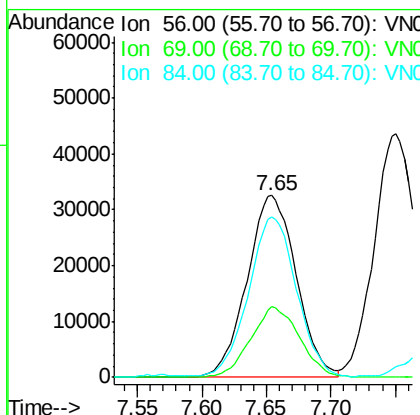
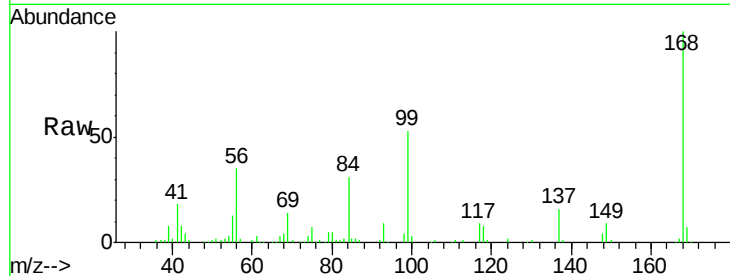
#31
Cyclohexane
Concen: 17.186 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	25.8	38.6#
84	87.2	69.4	104.0

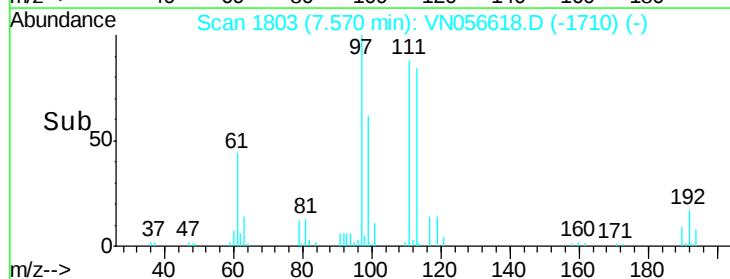
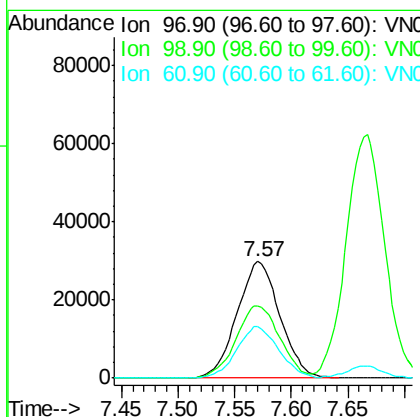
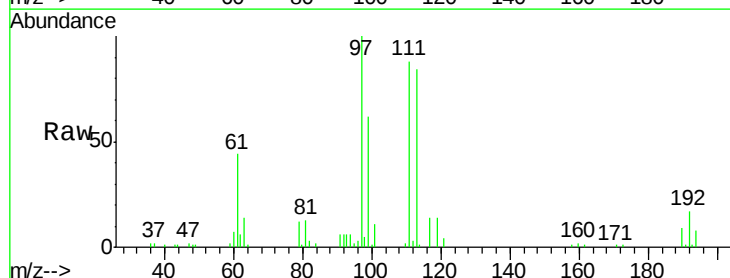
Manual Integrations
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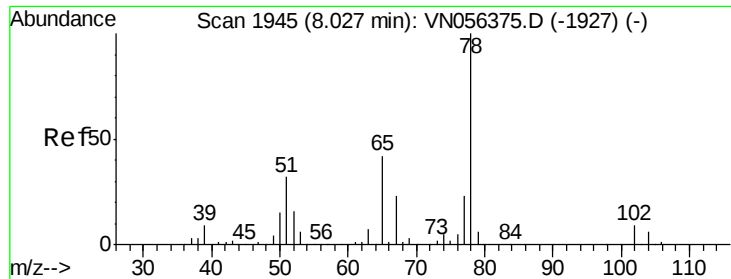
MMDadoda
7/9/2019 9:46:50 AM



#32
1,1,1-Trichloroethane
Concen: 19.228 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	43.4	33.9	50.9





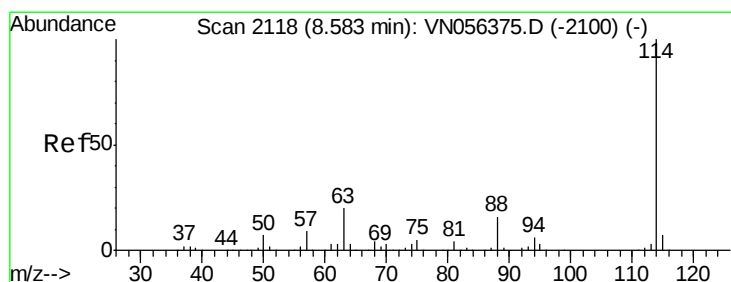
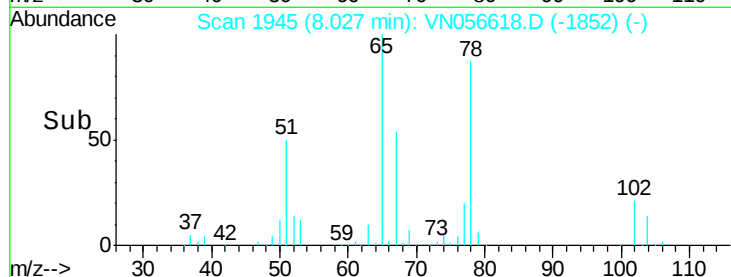
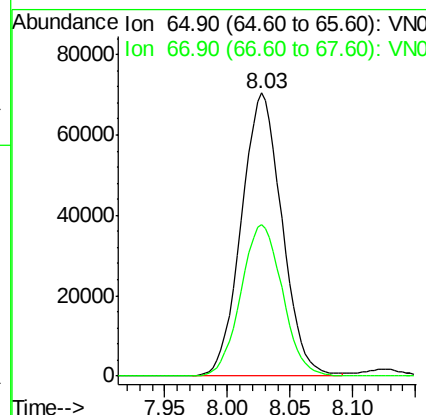
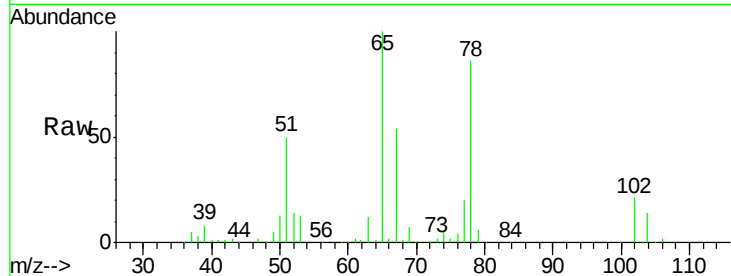
#33
 1,2-Dichloroethane-d4
 Concen: 48.607 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	109.0	

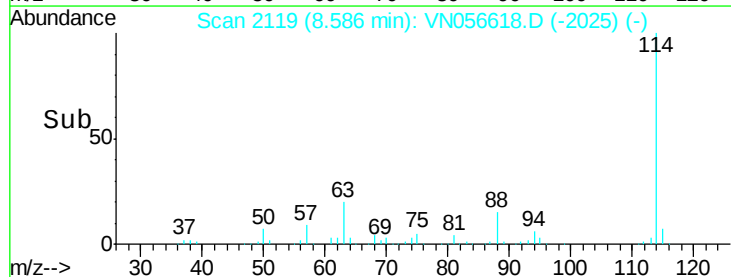
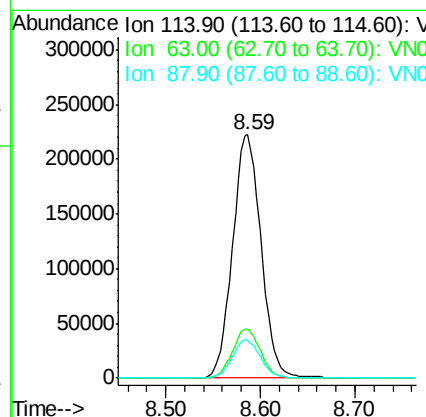
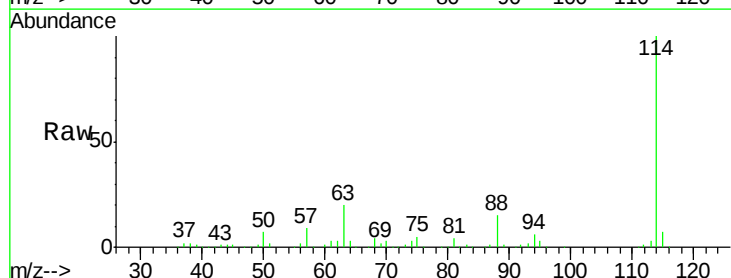
Manual Integrations
 APPROVED

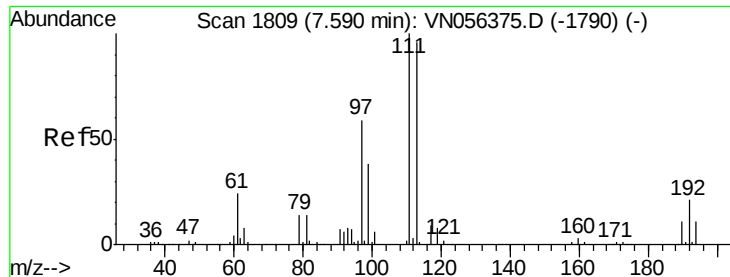
MMDadoda
 7/9/2019 9:46:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	39.2	
88	15.4	0.0	31.4	





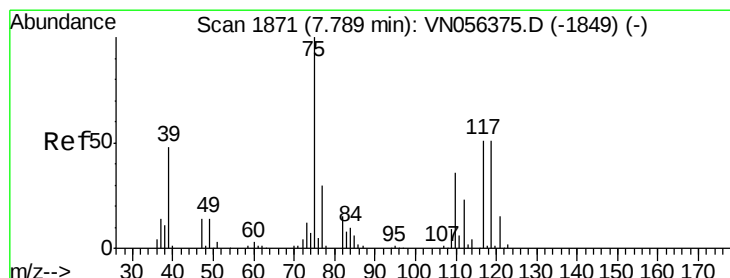
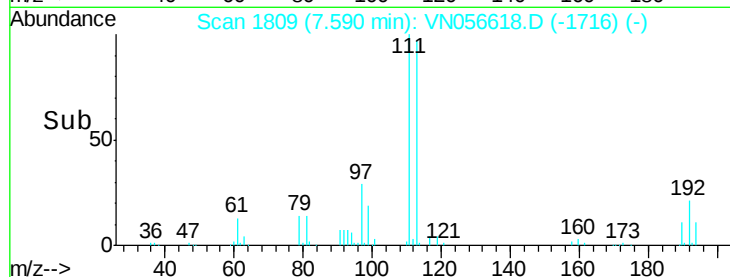
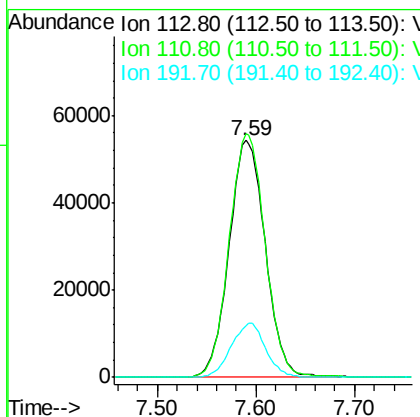
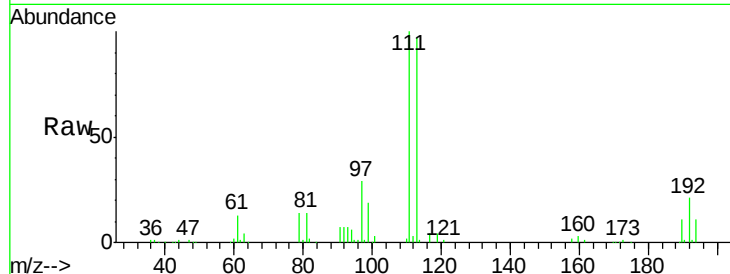
#35
 Dibromofluoromethane
 Concen: 47.622 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	82.9	124.3	
192	21.7	17.7	26.5	

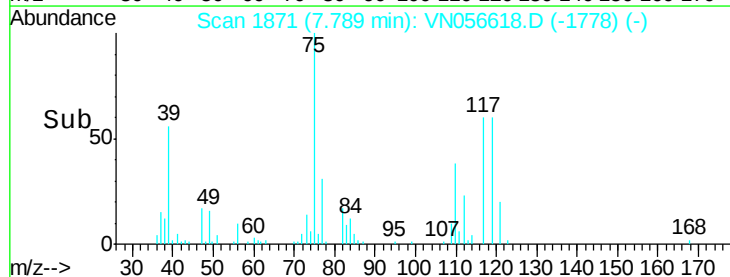
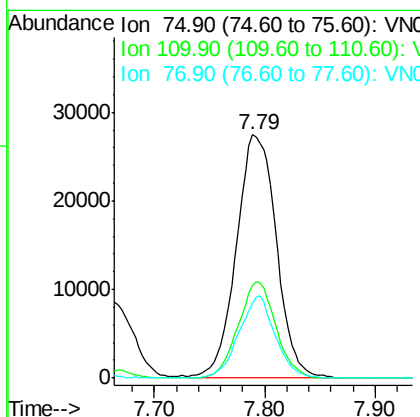
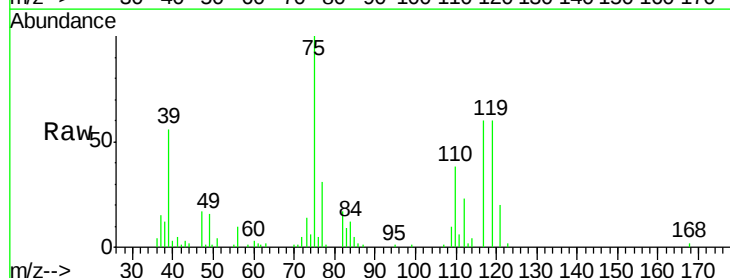
Manual Integrations
 APPROVED

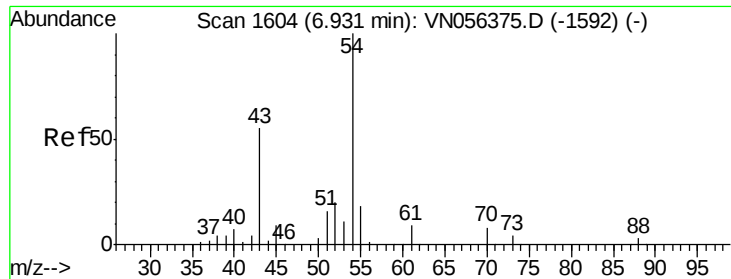
MMDadoda
 7/9/2019 9:46:50 AM



#36
 1,1-Dichloropropene
 Concen: 16.901 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.1	54.3	
77	30.4	24.6	36.8	





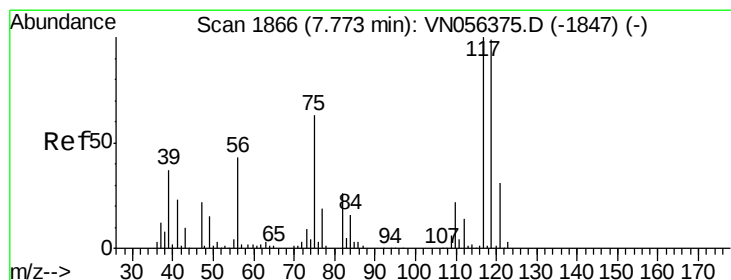
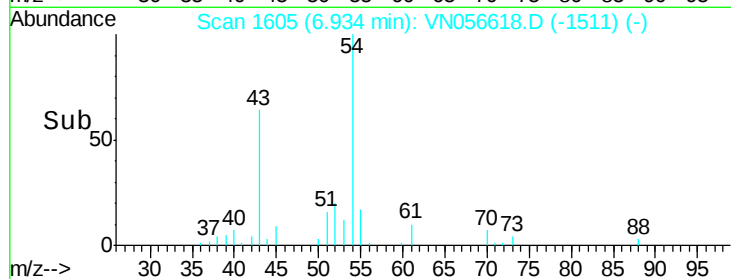
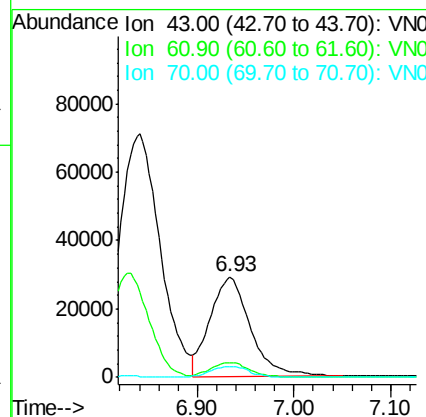
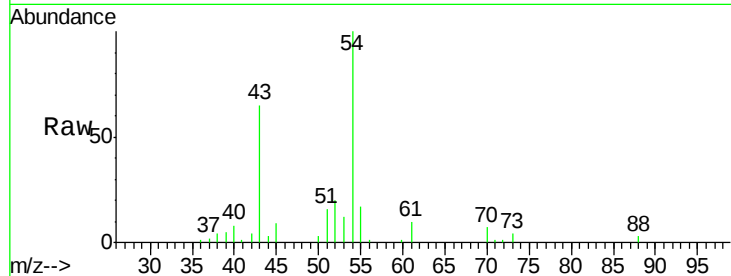
#37
Ethyl Acetate
Concen: 20.748 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.1	16.7
70	10.8	8.3	12.5

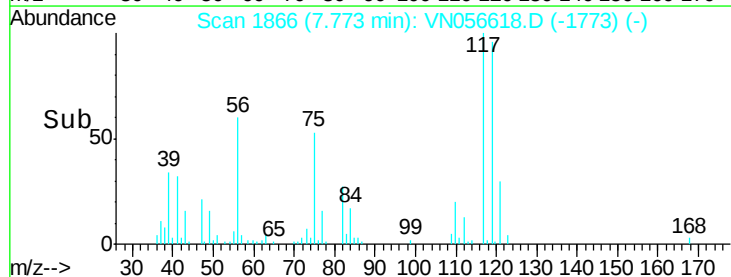
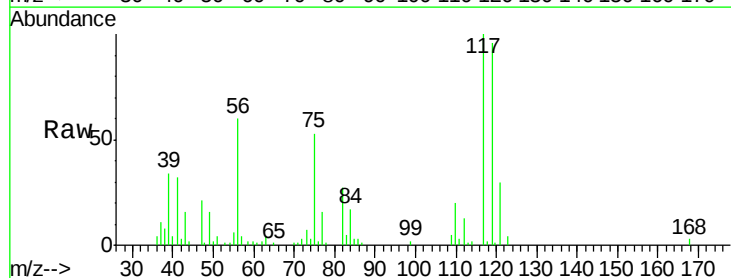
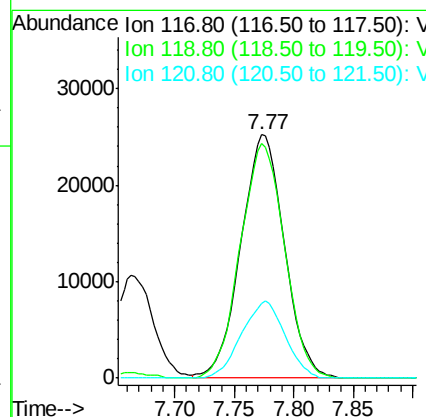
Manual Integrations
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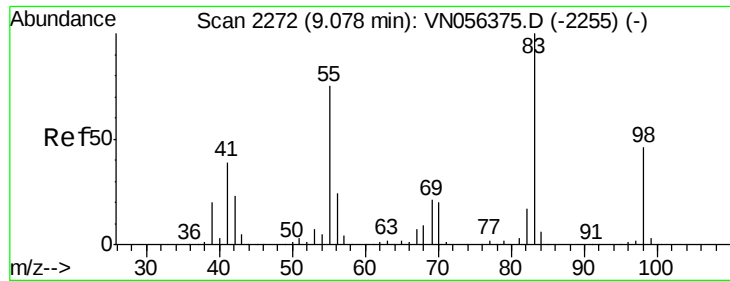
MMDadoda
7/9/2019 9:46:50 AM



#38
Carbon Tetrachloride
Concen: 17.831 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	79.1	118.7
121	30.5	24.8	37.2





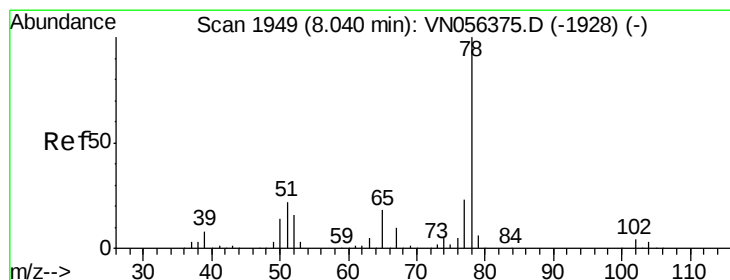
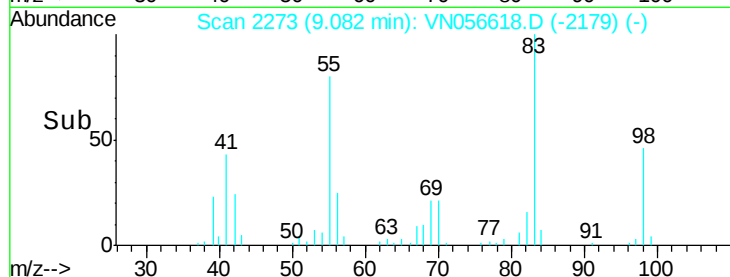
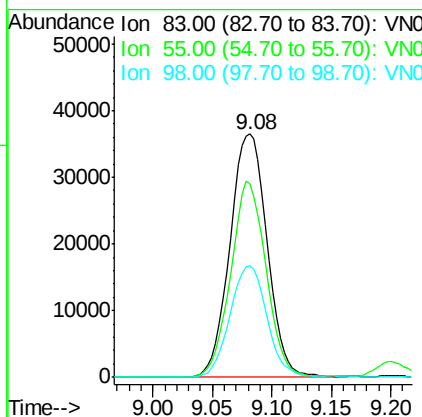
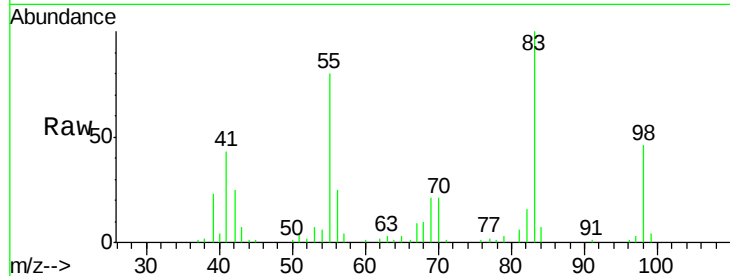
#39
Methvlcvclohexane
Concen: 15.663 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	60.0	90.0
98	45.7	36.6	54.8

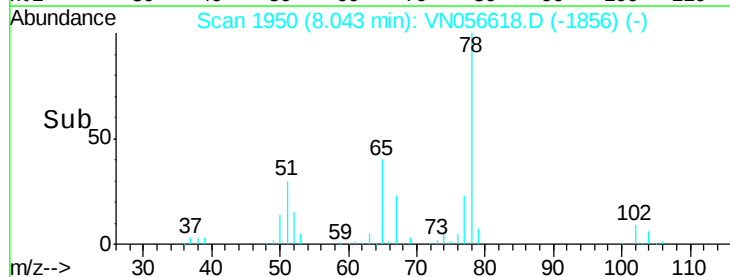
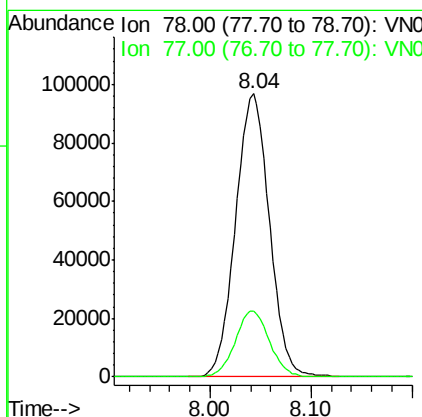
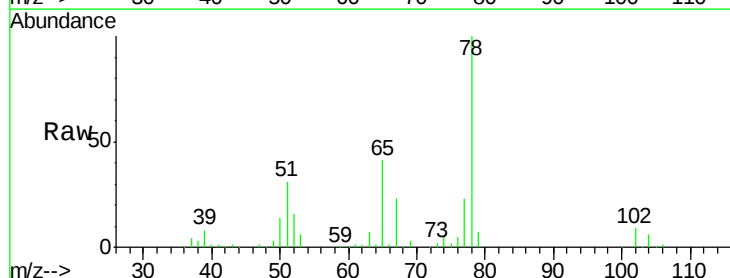
Manual Integrations
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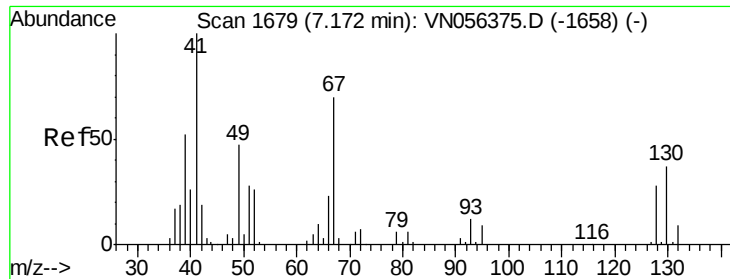
MMDadoda
7/9/2019 9:46:50 AM



#40
Benzene
Concen: 17.855 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





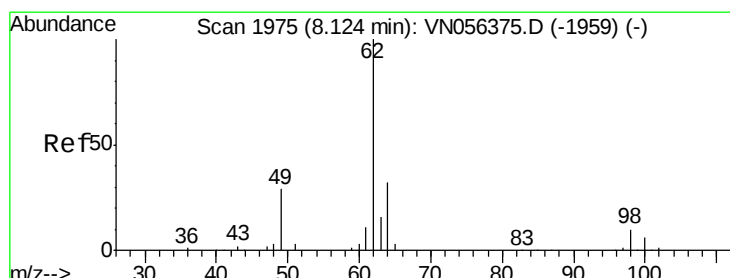
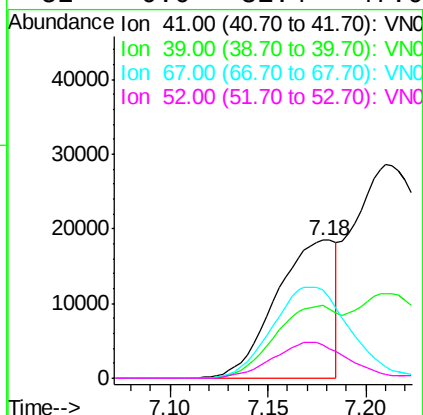
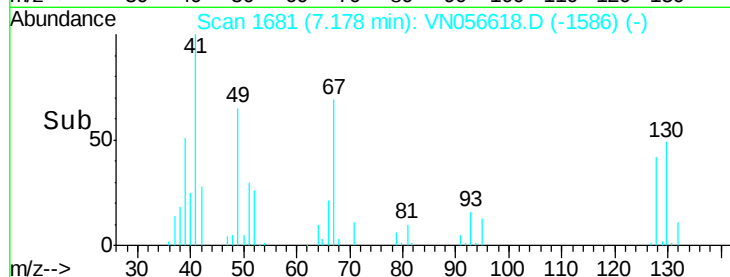
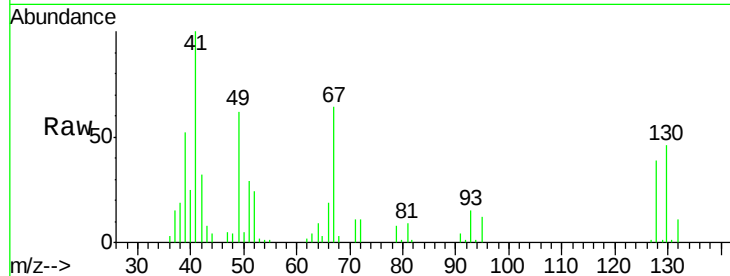
#41
Methacrylonitrile
Concen: 22.066 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.3	82.9#
67	0.0	79.2	118.8#
52	0.0	31.4	47.0#

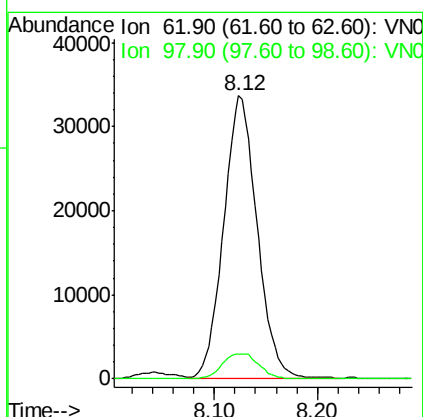
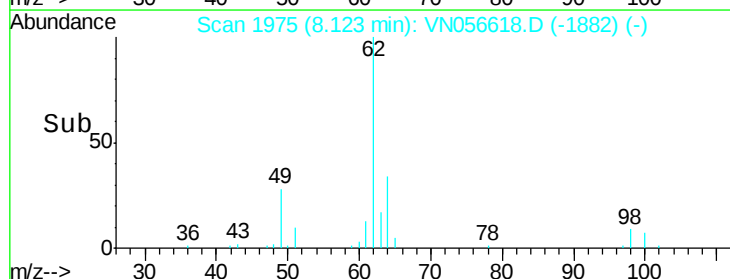
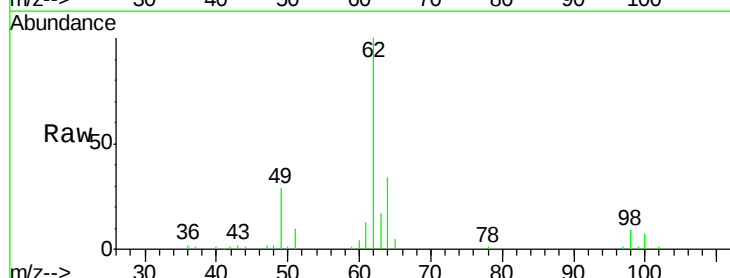
Manual Integrations
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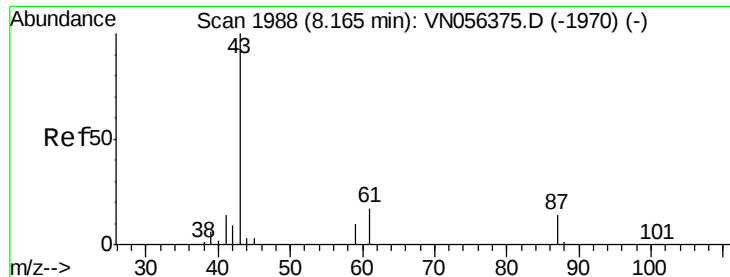
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.341 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





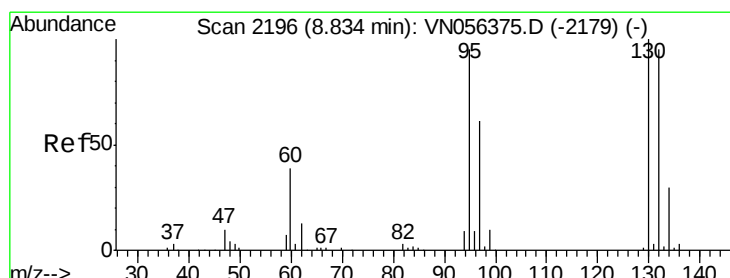
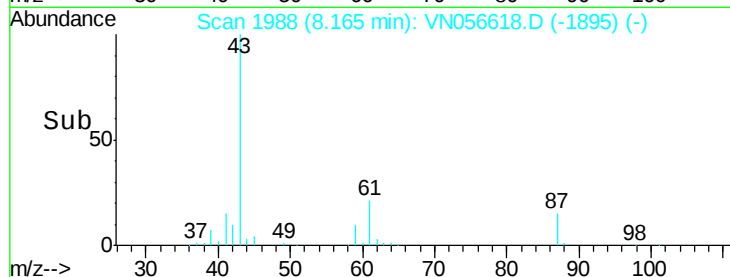
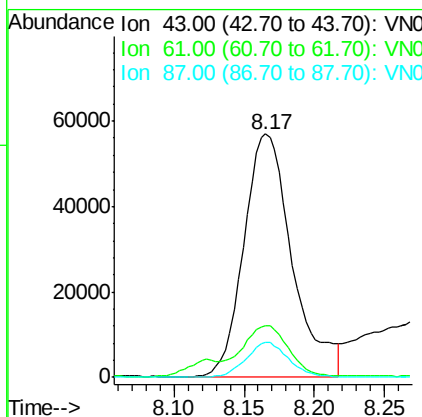
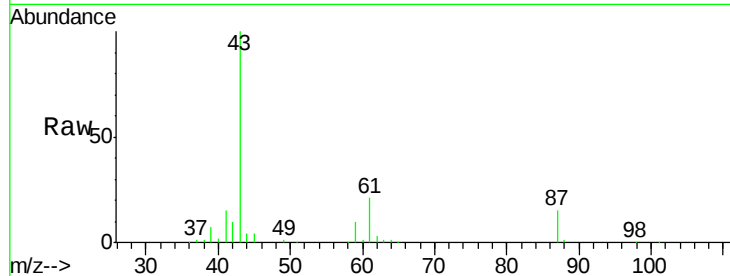
#43
Isopropyl Acetate
Concen: 21.921 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	22.0	33.0#
87	12.7	11.0	16.4

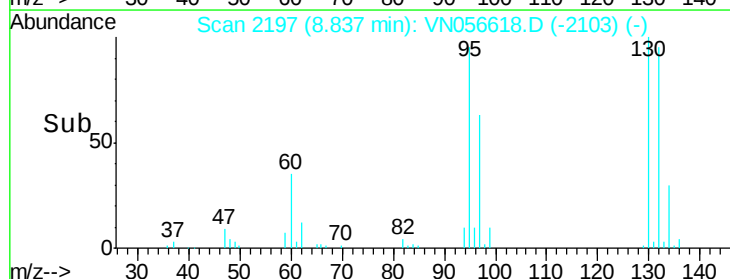
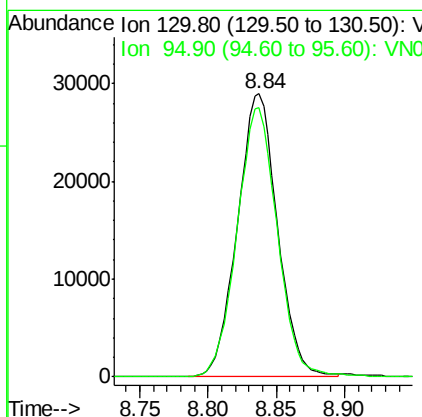
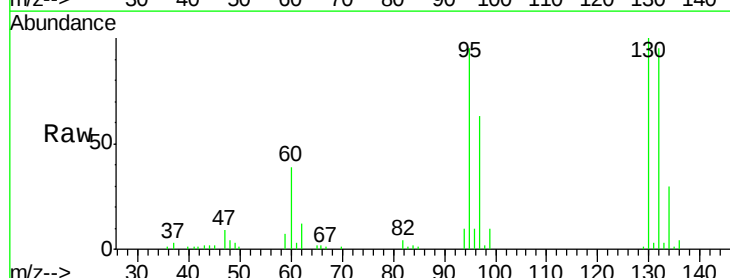
Manual Integrations
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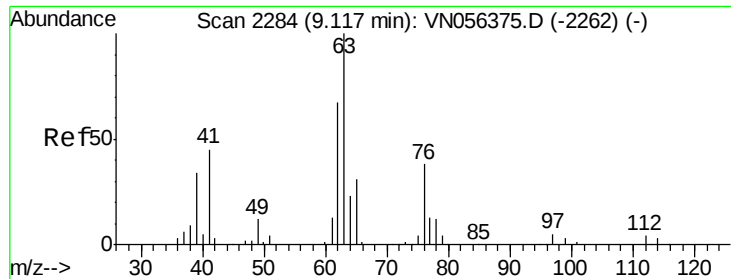
MMDadoda
7/9/2019 9:46:50 AM



#44
Trichloroethene
Concen: 17.368 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	191.0





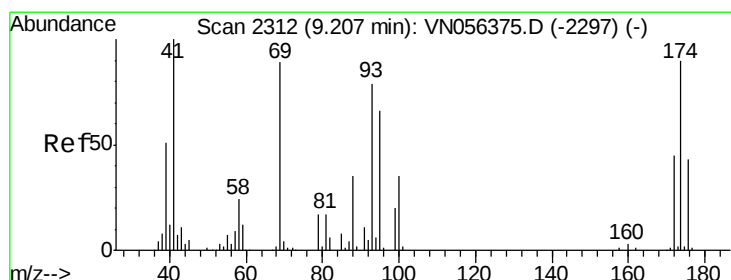
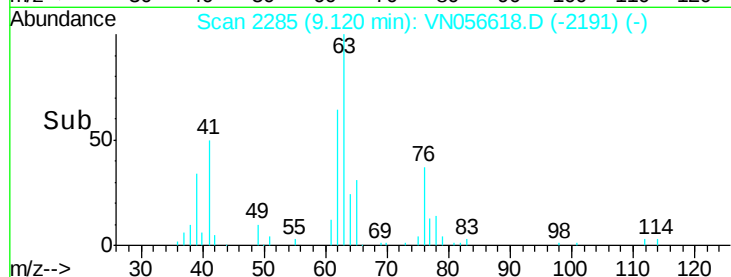
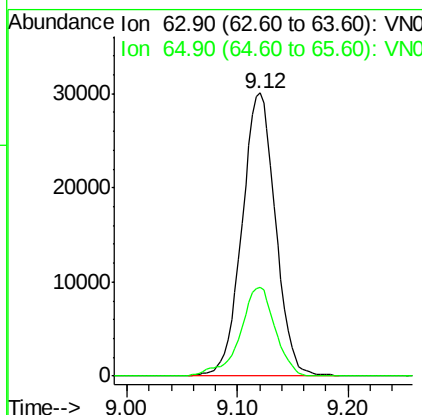
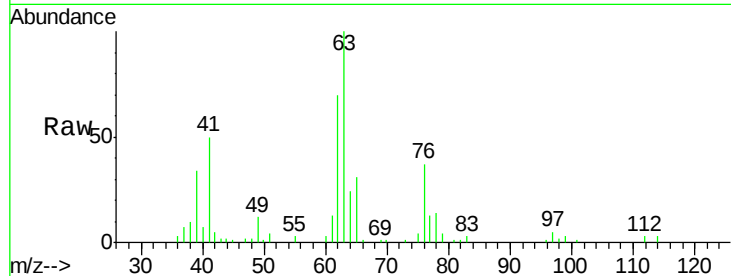
#45
 1,2-Dichloropropane
 Concen: 18.724 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion: 63 Resp: 63133
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

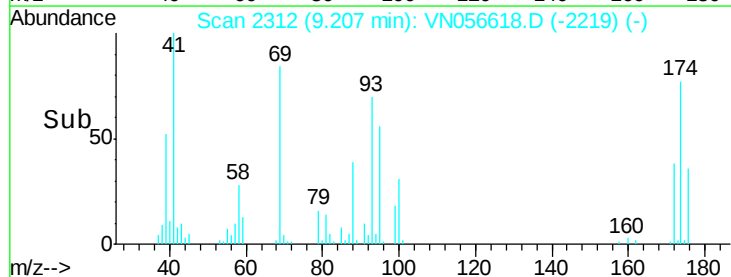
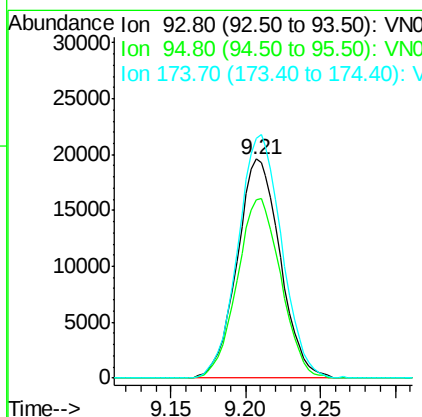
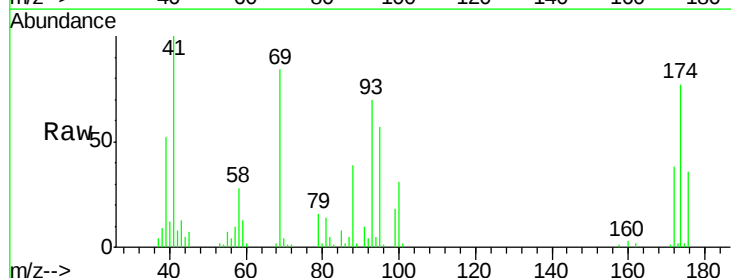
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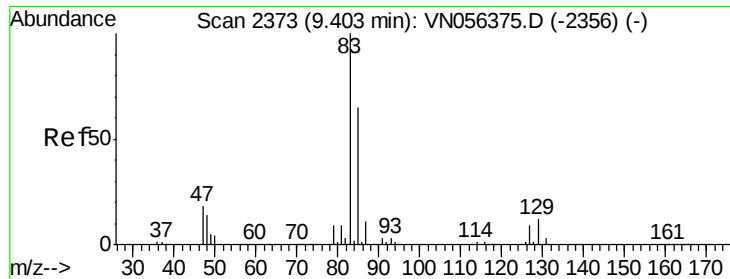
MMDadoda
 7/9/2019 9:46:50 AM



#46
 Dibromomethane
 Concen: 18.625 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion: 93 Resp: 39291
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.2
 174 112.6 90.8 136.2





#47

Bromodichloromethane

Concen: 19.320 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

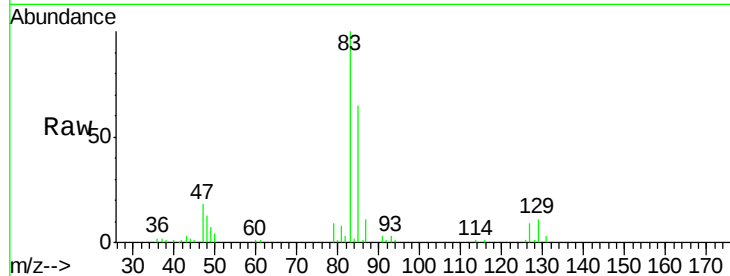
ClientSampleId :

VN0708WBSD01

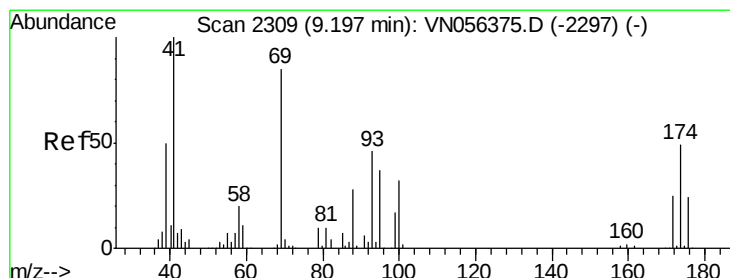
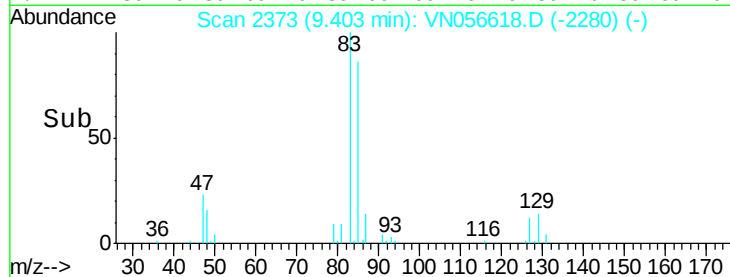
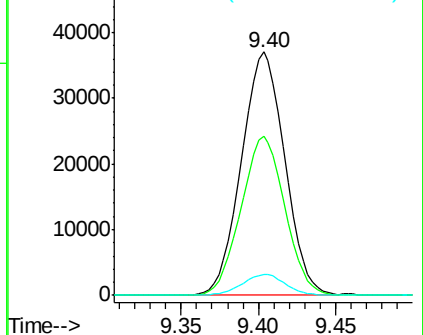
Tot Ion:	83	Resp:	72285
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.2	78.4
127	8.8	7.3	10.9

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Abundance Ion 82.90 (82.60 to 83.60): VN056618.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.657 ug/l

RT: 9.20 min Scan# 2310

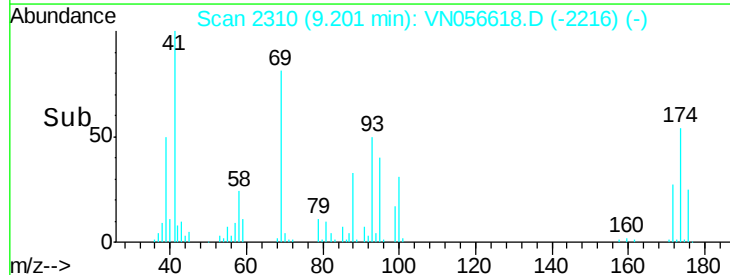
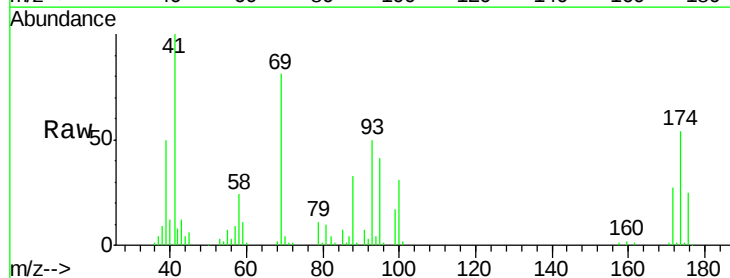
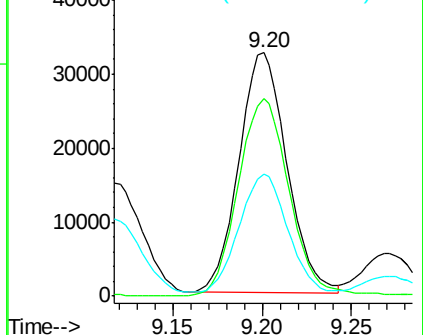
Delta R.T. 0.00 min

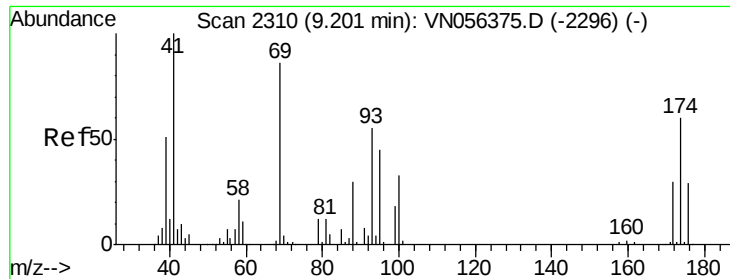
Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Tgt Ion:	41	Resp:	61184
Ion Ratio	Lower	Upper	
41	100		
69	87.6	72.6	109.0
39	52.9	42.6	63.8

Abundance Ion 41.00 (40.70 to 41.70): VN056618.D (-2216) (-)





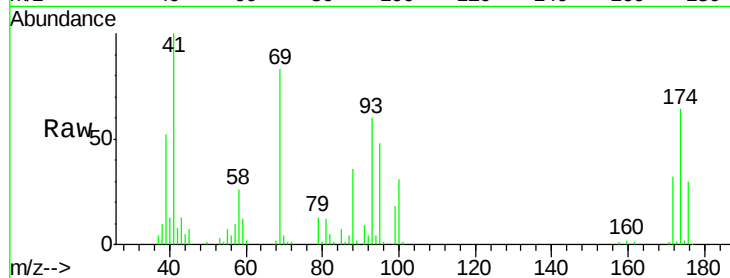
#49
1,4-Dioxane
Concen: 403.965 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	88	Resp	26093
Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.0	33.0
58	69.2	51.8	77.8

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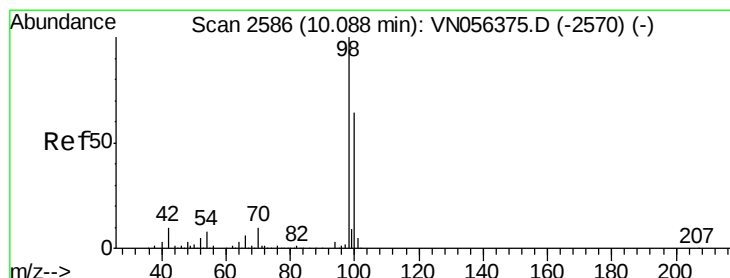
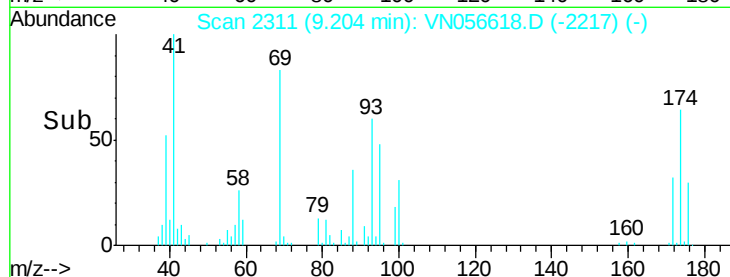
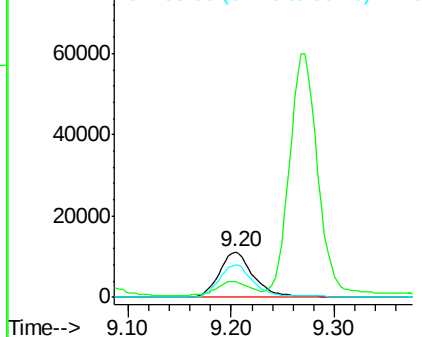


Abundance

Ion 88.00 (87.70 to 88.70): VN0

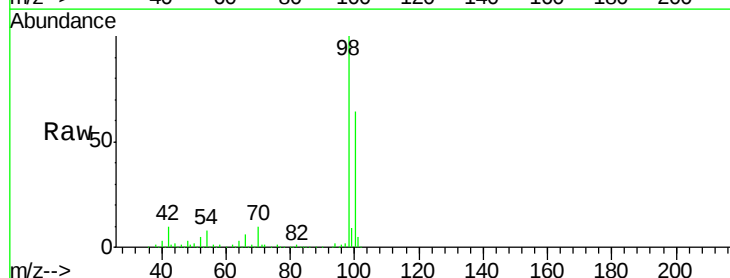
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 45.355 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

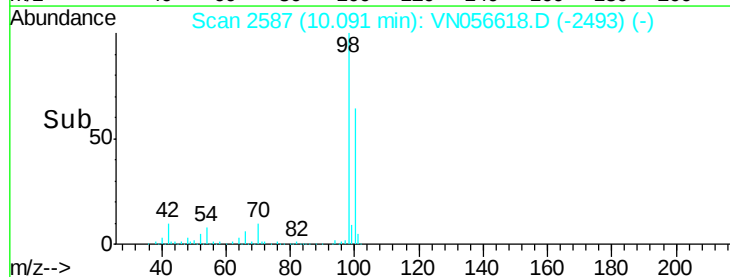
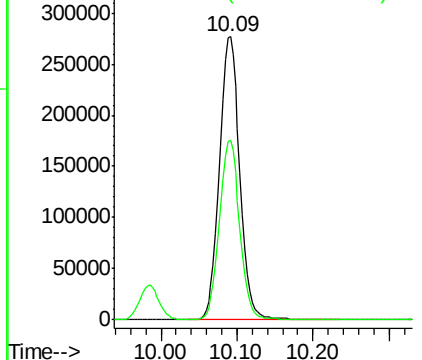
Tgt Ion	98	Resp	512688
Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.2	78.2

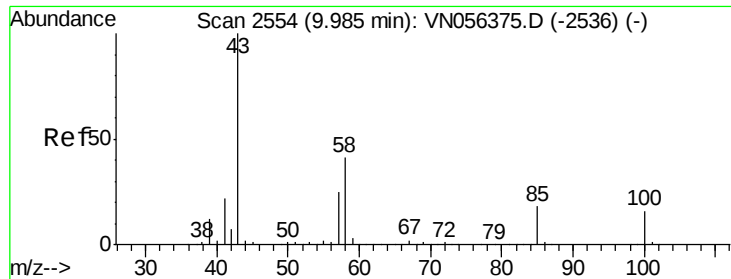


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 105.210 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0708WBSD01

Tot Ion: 43 Resp: 421779

Ion Ratio Lower Upper

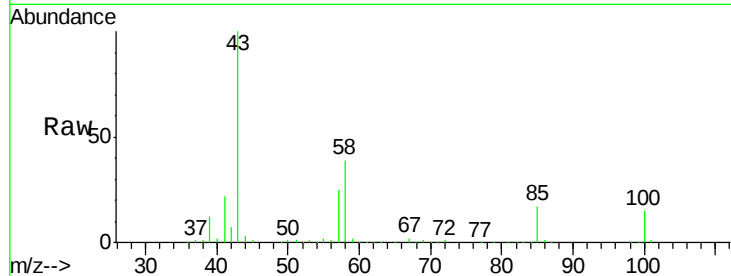
43 100

58 39.2 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

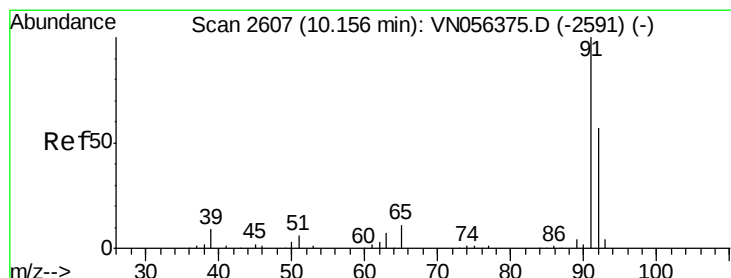
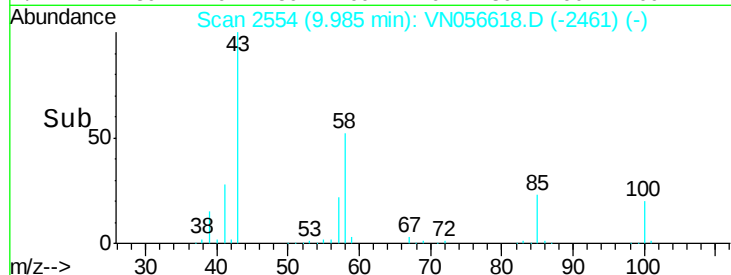
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 17.885 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056618.D

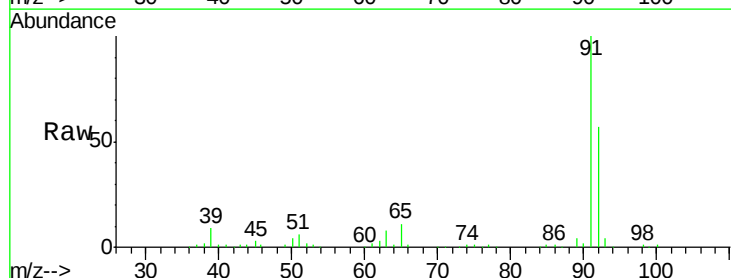
Acq: 8 Jul 2019 18:38

Tgt Ion: 92 Resp: 137865

Ion Ratio Lower Upper

92 100

91 173.4 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

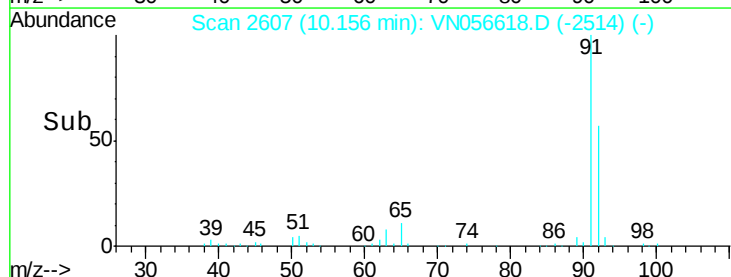
0

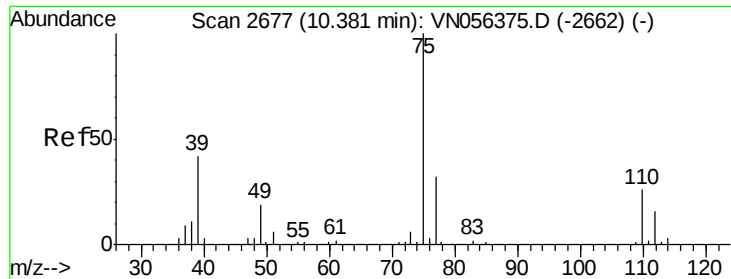
10.10

10.20

10.30

Time-->





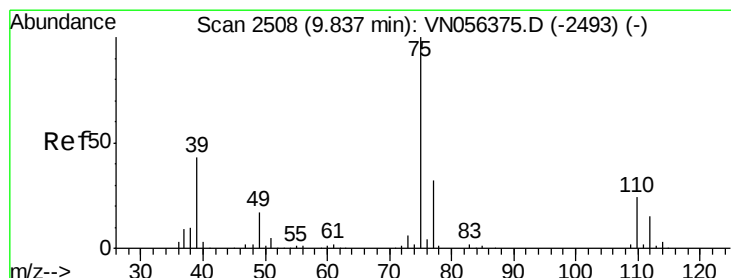
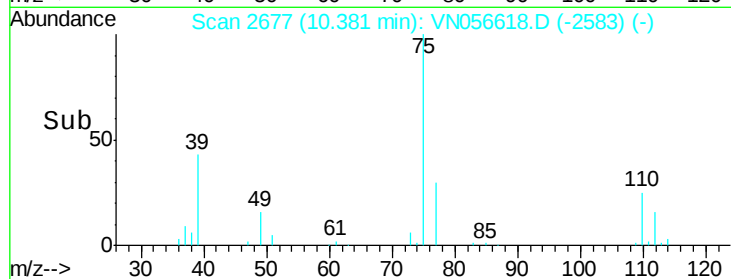
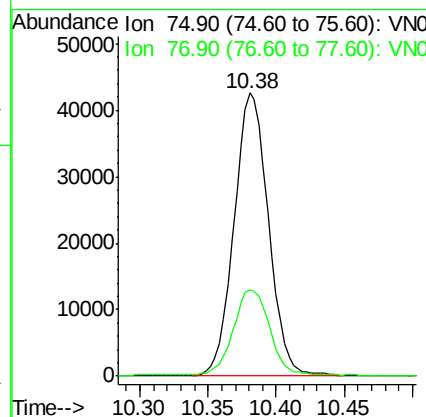
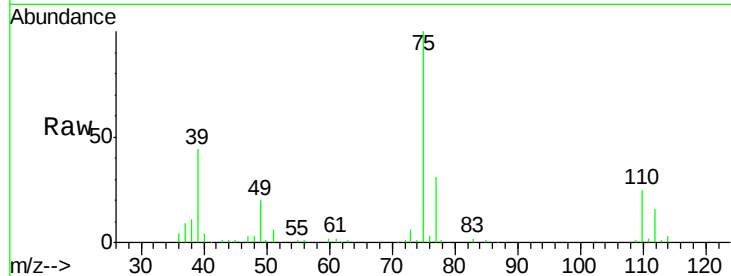
#53
t-1,3-Dichloropropene
Concen: 19.024 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion: 75 Resp: 74617
Ion Ratio Lower Upper
75 100
77 30.2 25.4 38.2

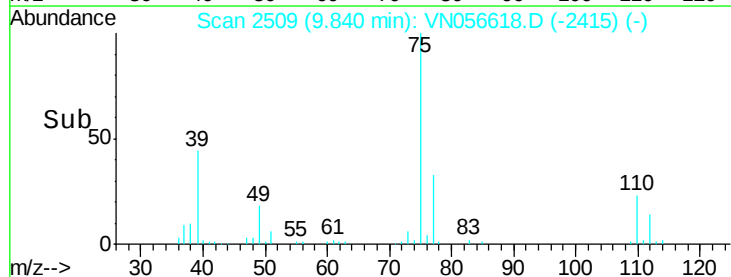
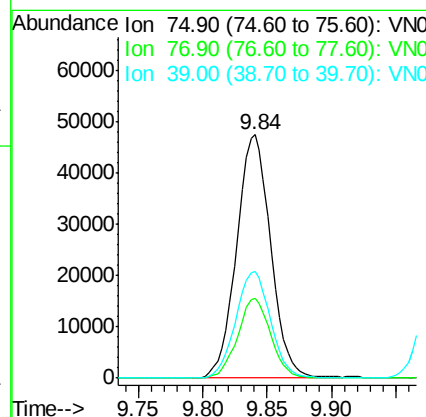
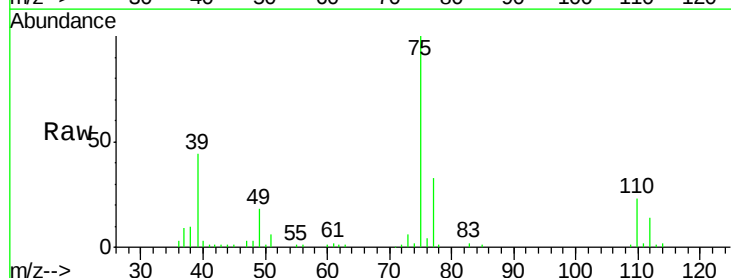
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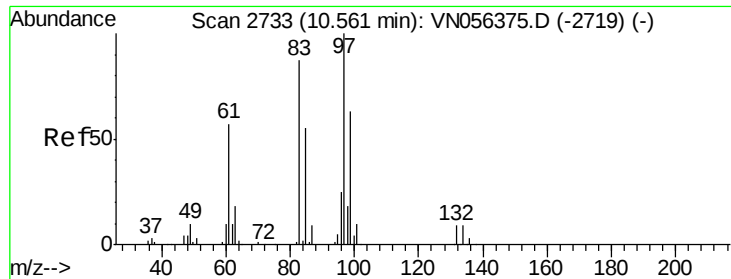
MMDadoda
7/9/2019 9:46:50 AM



#54
cis-1,3-Dichloropropene
Concen: 19.403 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion: 75 Resp: 87420
Ion Ratio Lower Upper
75 100
77 32.7 25.2 37.8
39 44.1 34.2 51.4





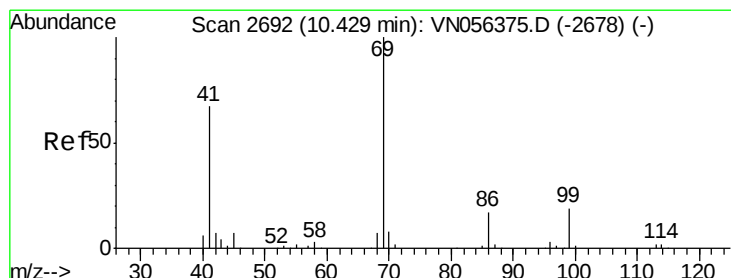
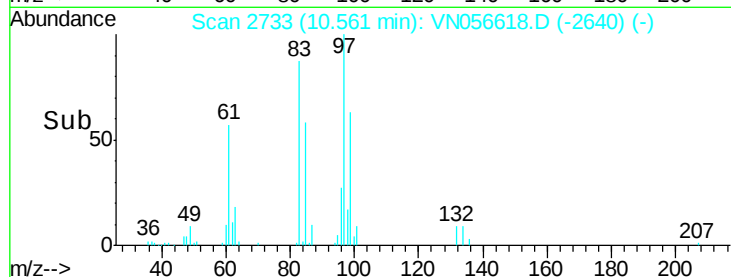
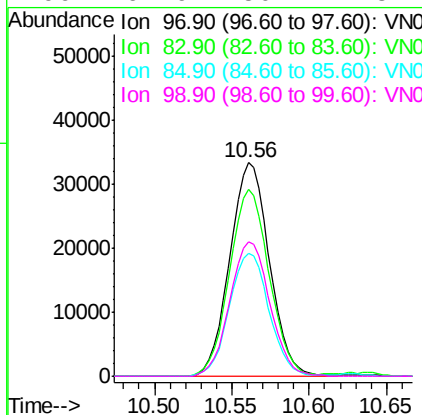
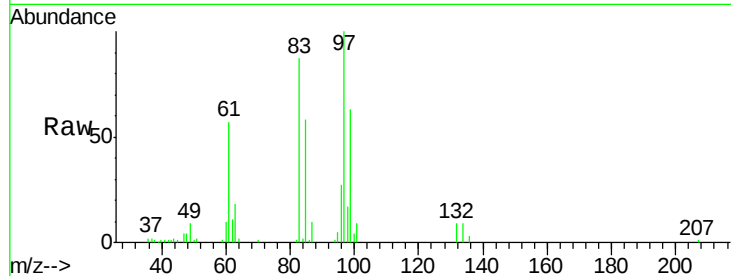
#55
 1,1,2-Trichloroethane
 Concen: 19.143 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0708WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59313		
83	87.3	69.8	104.6		
85	57.6	43.8	65.8		
99	62.9	50.2	75.2		

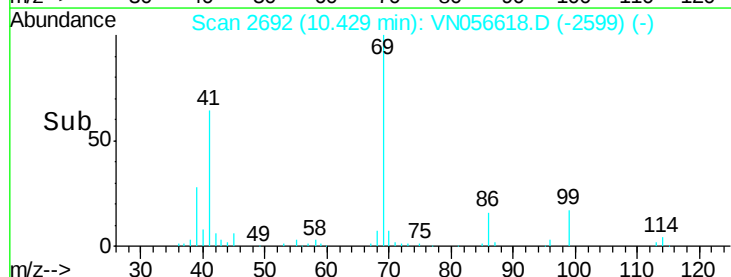
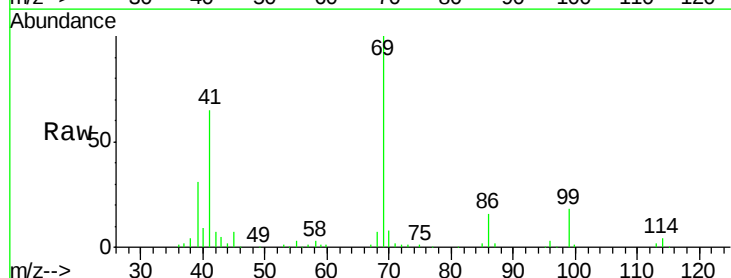
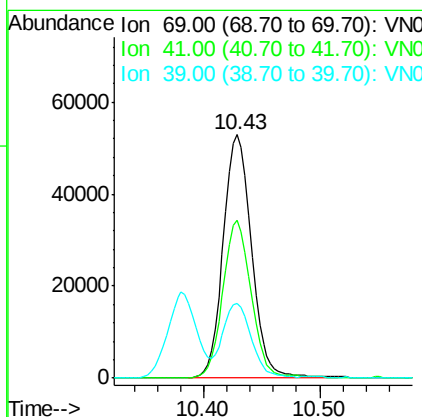
Manual Integrations
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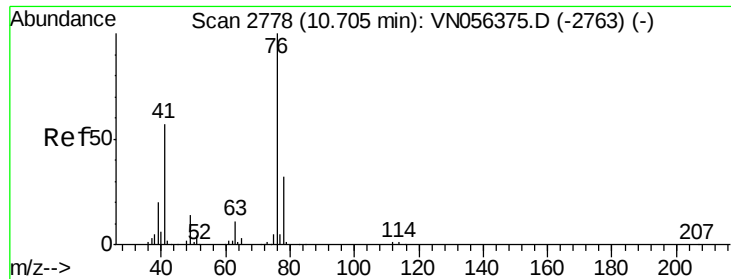
MMDadoda
 7/9/2019 9:46:50 AM



#56
 Ethyl methacrylate
 Concen: 19.766 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		89502		
41	63.8	51.4	77.2		
39	30.5	24.7	37.1		





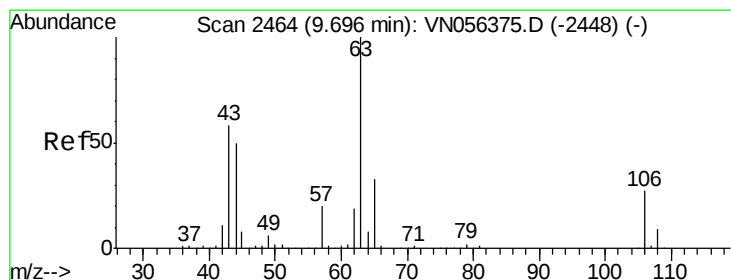
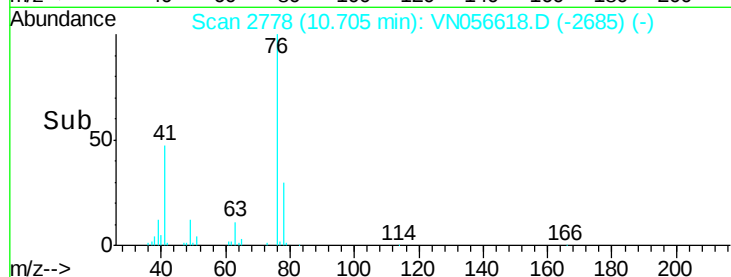
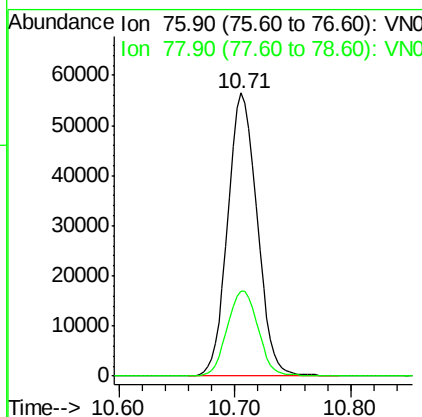
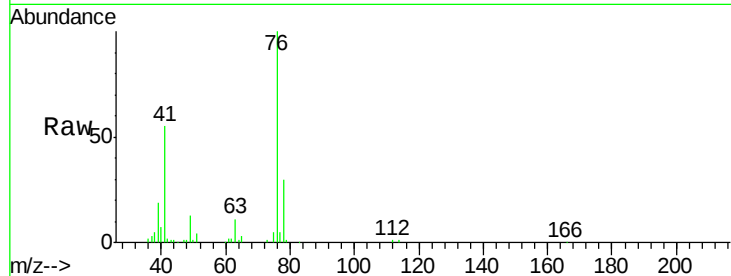
#57
 1,3-Dichloropropane
 Concen: 19.072 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion: 76 Resp: 99269
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.9 38.9

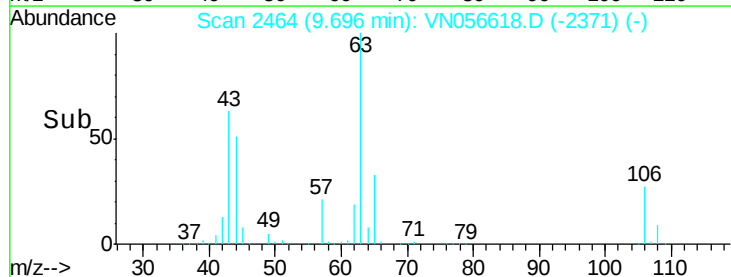
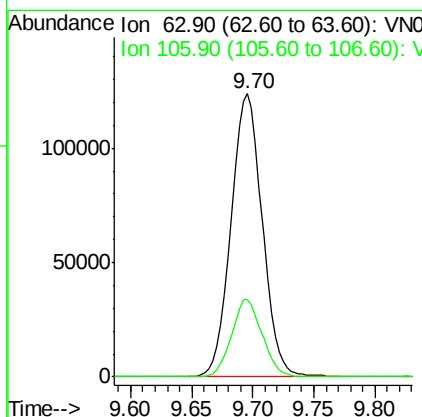
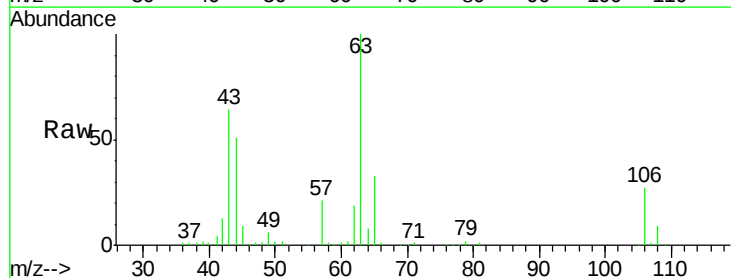
Manual Integrations
 APPROVED

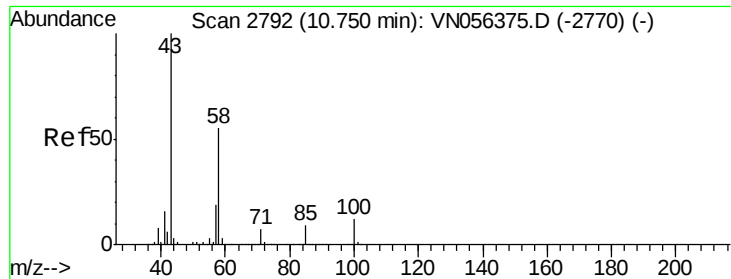
MMDadoda
 7/9/2019 9:46:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 135.727 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion: 63 Resp: 220789
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4





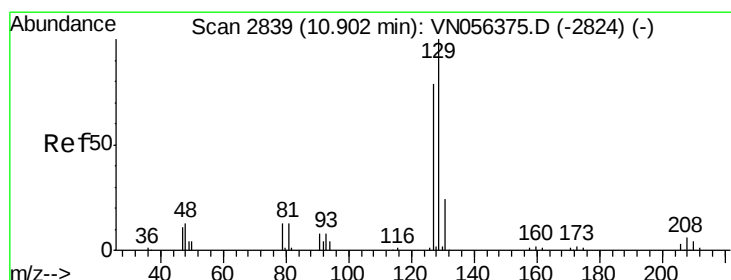
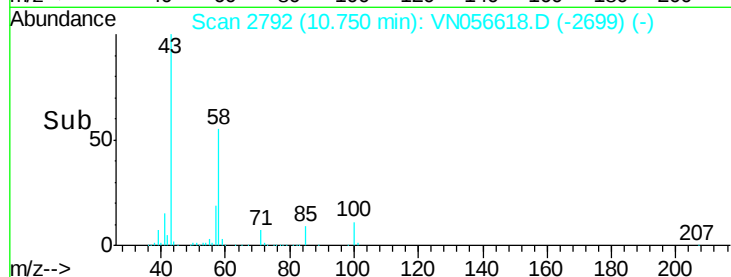
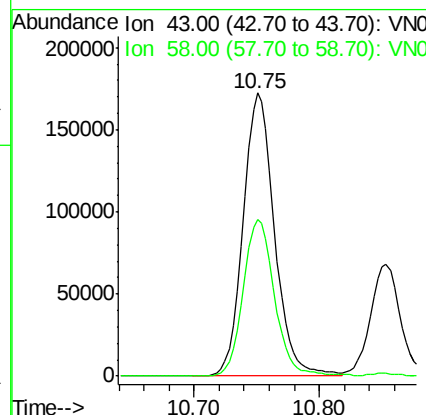
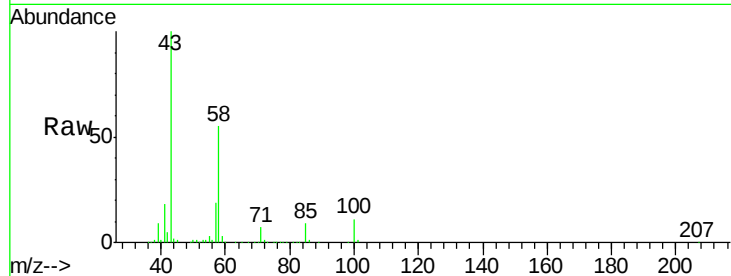
#59
2-Hexanone
Concen: 101.216 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	43	Resp	298225
Ion Ratio	43	100	
Lower	58	55.4	27.8
Upper			83.4

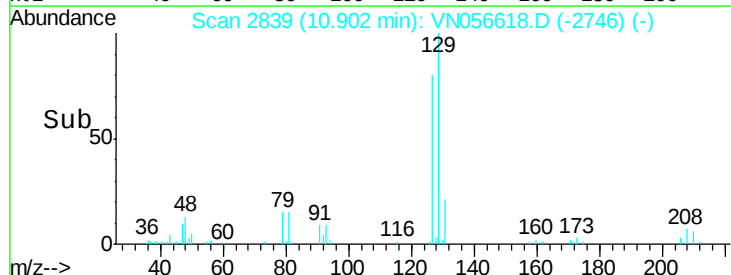
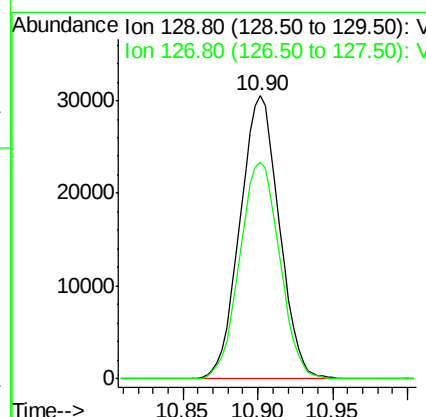
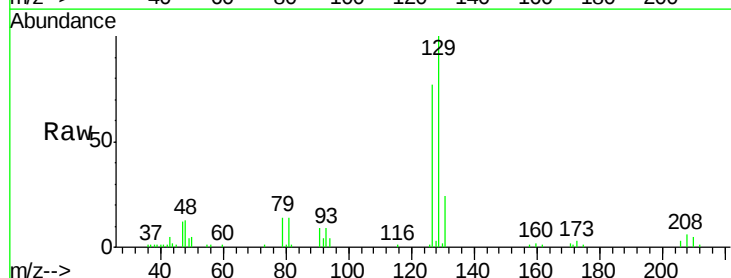
Manual Integrations
APPROVED

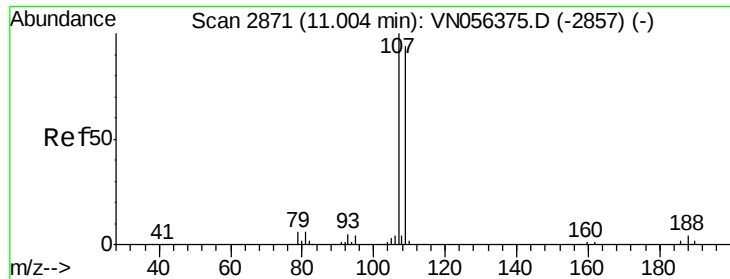
MMDadoda
7/9/2019 9:46:50 AM



#60
Dibromochloromethane
Concen: 19.044 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	129	Resp	55718
Ion Ratio	129	100	
Lower	127	77.8	38.9
Upper			116.7





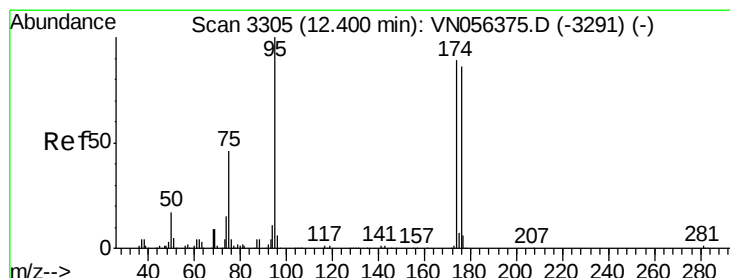
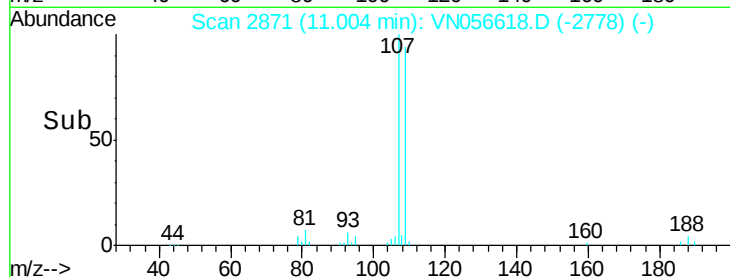
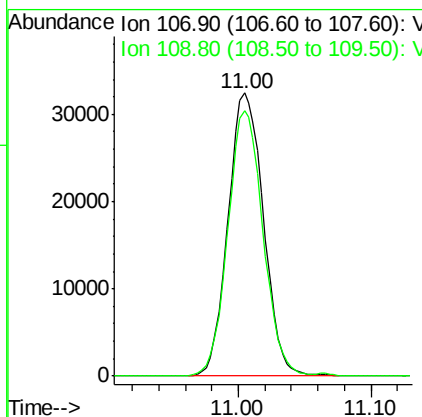
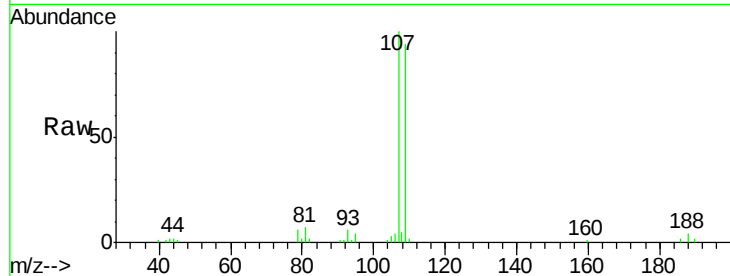
#61
1,2-Dibromoethane
Concen: 18.979 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.3	112.9

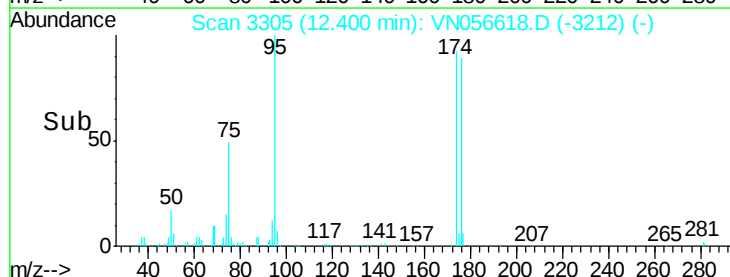
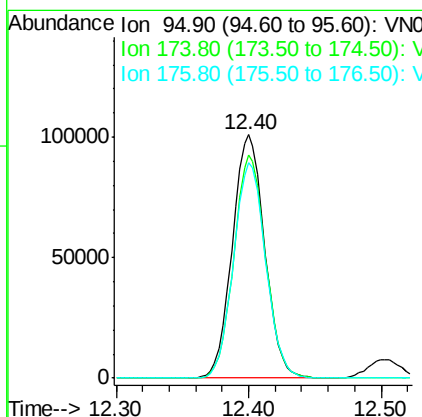
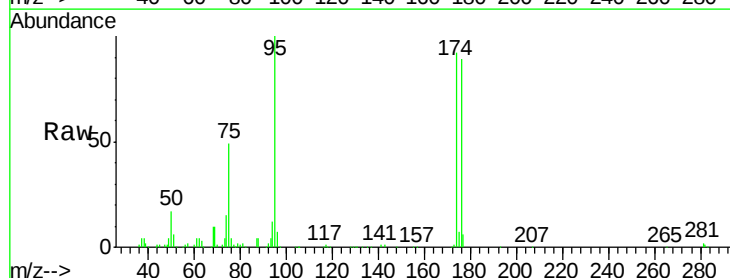
Manual Integrations
APPROVED

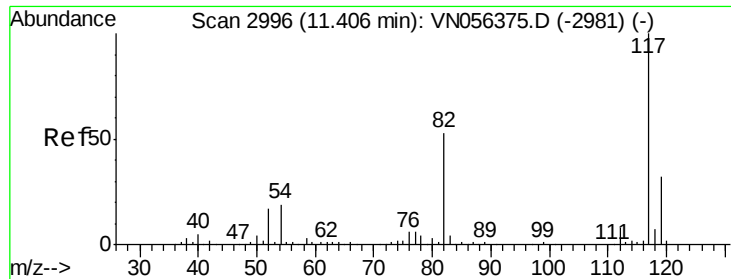
MMDadoda
7/9/2019 9:46:50 AM



#62
4-Bromofluorobenzene
Concen: 45.264 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	179.4
176	88.1	0.0	173.4





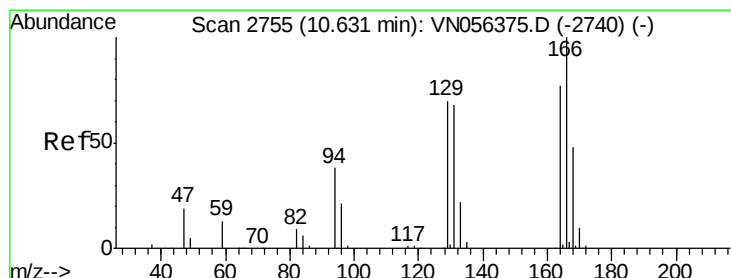
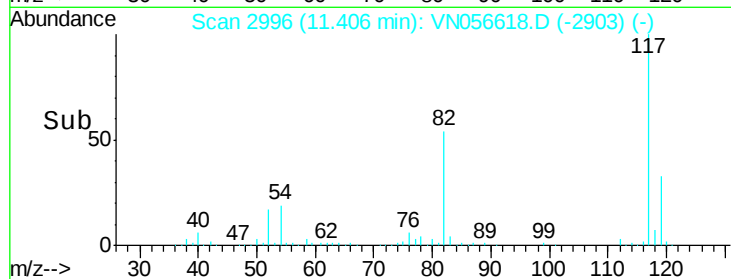
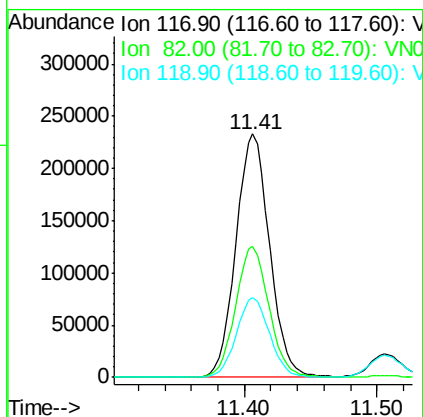
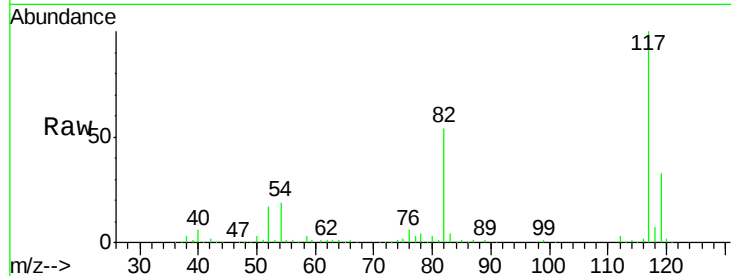
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion:117 Resp: 410609
Ion Ratio Lower Upper
117 100
82 53.6 42.0 63.0
119 32.8 25.3 37.9

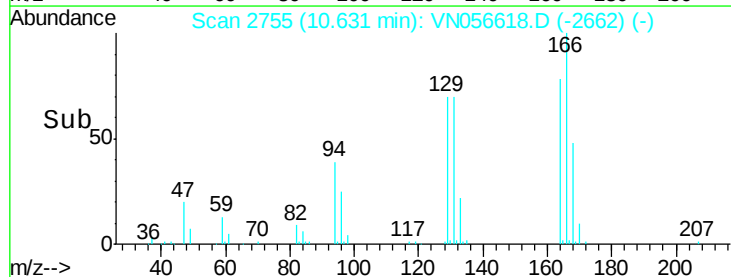
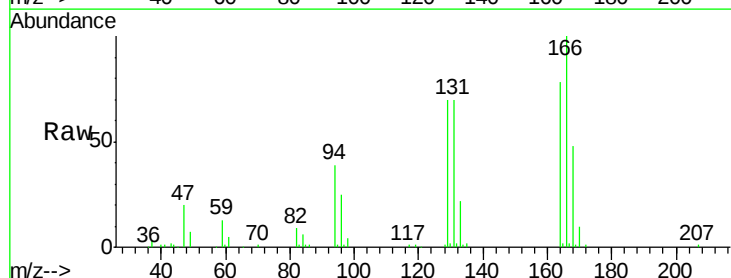
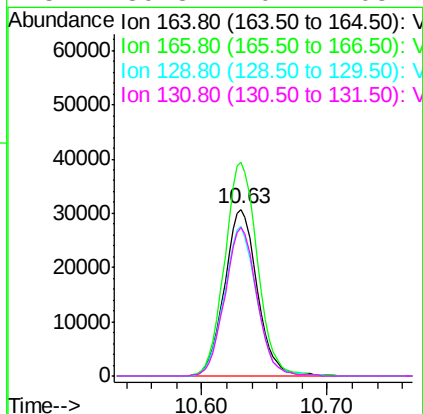
Manual Integrations
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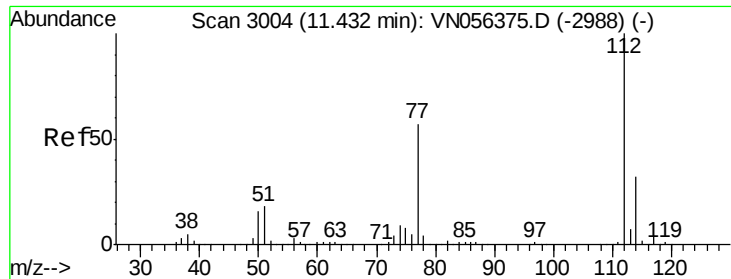
MMDadoda
7/9/2019 9:46:50 AM



#64
Tetrachloroethene
Concen: 17.031 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion:164 Resp: 55381
Ion Ratio Lower Upper
164 100
166 128.0 103.4 155.0
129 89.5 72.0 108.0
131 89.3 70.2 105.2





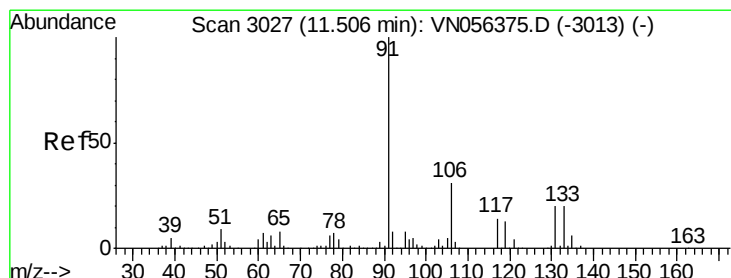
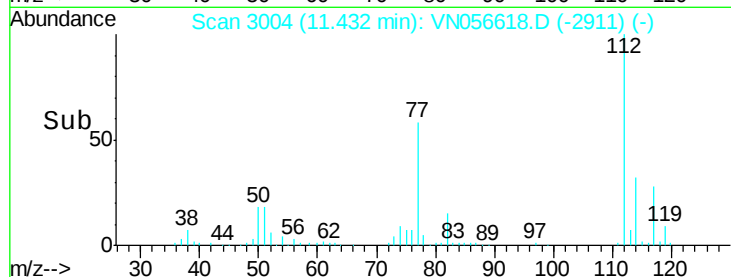
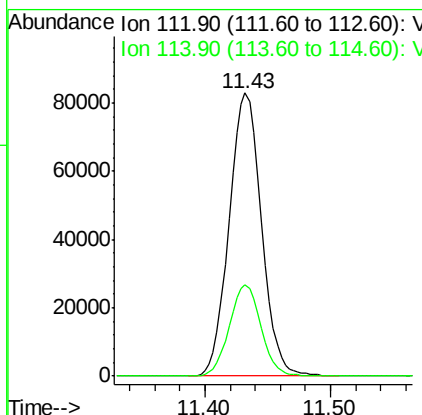
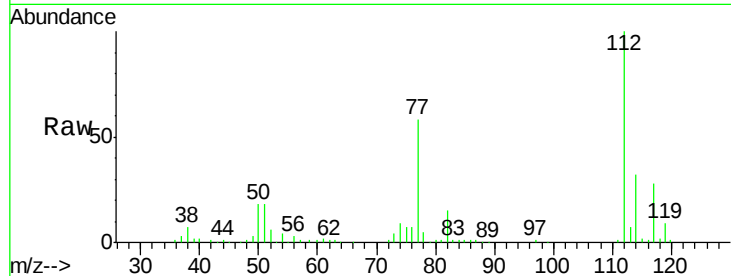
#65
Chlorobenzene
Concen: 17.991 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion:112 Resp: 148437
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

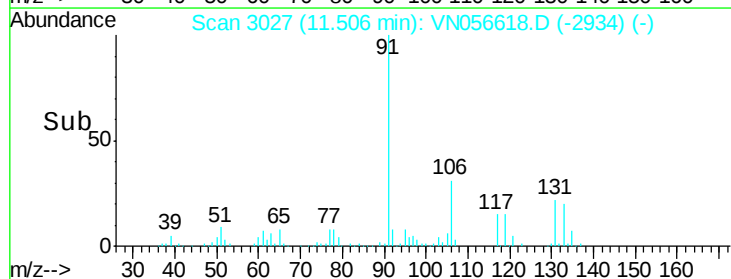
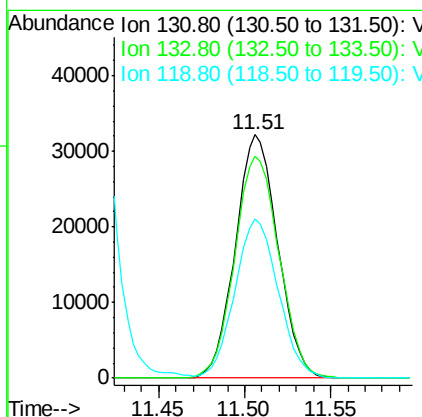
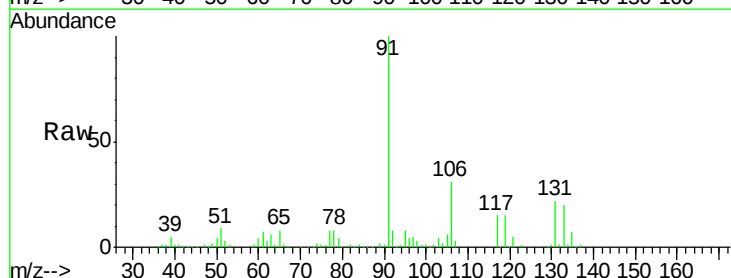
Manual Integrations
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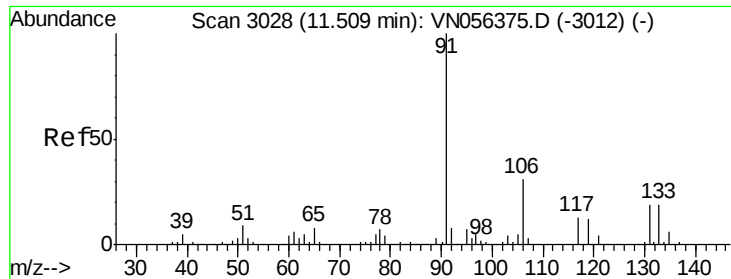
MMDadoda
7/9/2019 9:46:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.683 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion:131 Resp: 54887
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.2
119 67.2 32.8 98.4





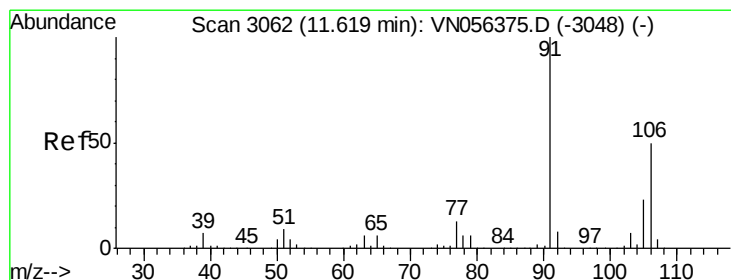
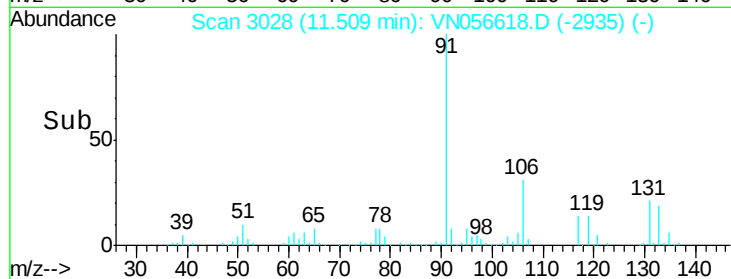
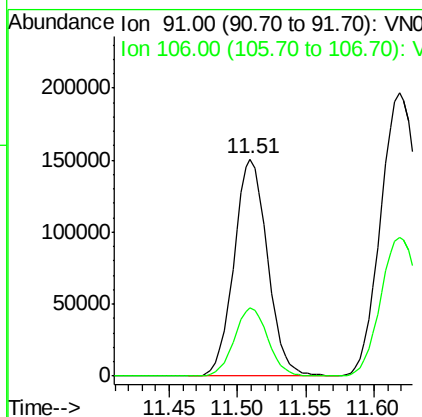
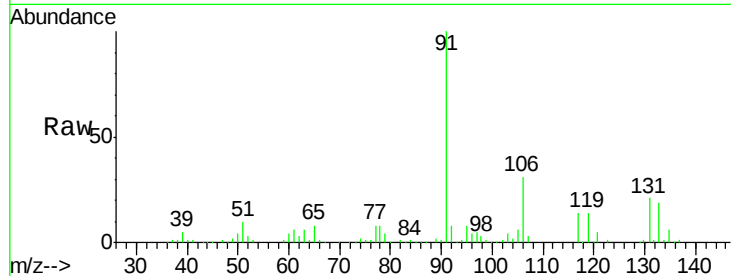
#67
Ethyl Benzene
Concen: 17.741 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion: 91 Resp: 257016
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

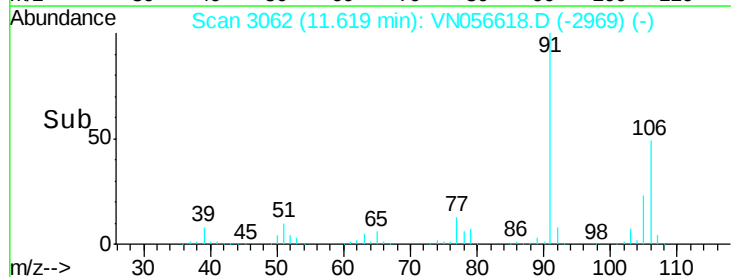
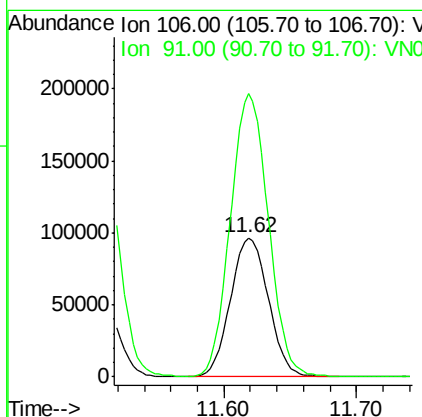
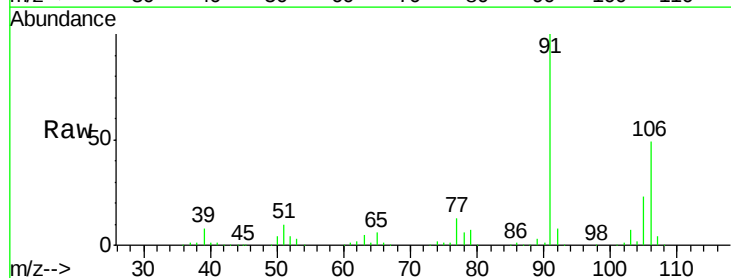
Manual Integrations
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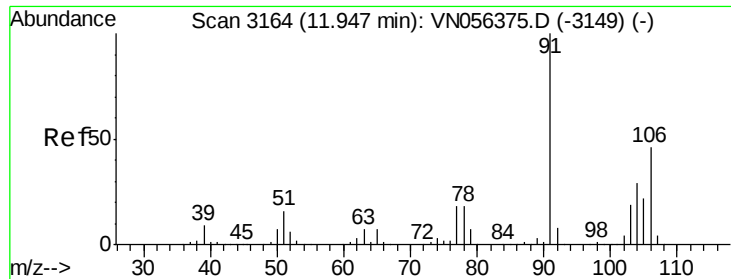
MMDadoda
7/9/2019 9:46:50 AM



#68
m/p-Xylenes
Concen: 36.133 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion: 106 Resp: 191833
Ion Ratio Lower Upper
106 100
91 203.5 160.1 240.1





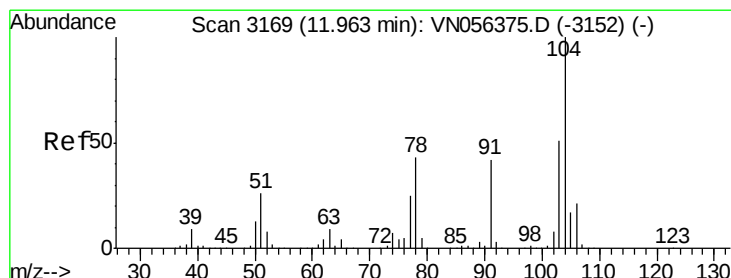
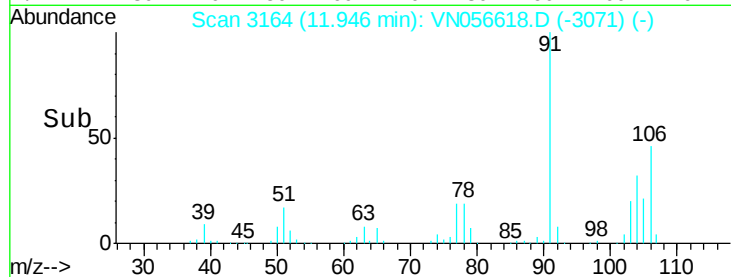
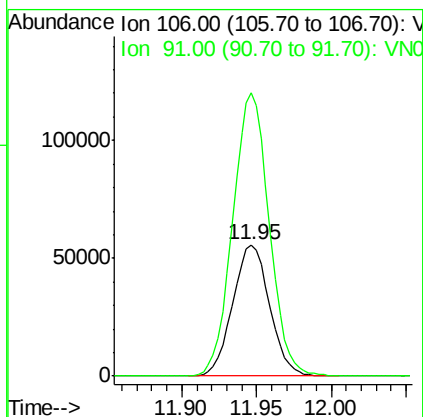
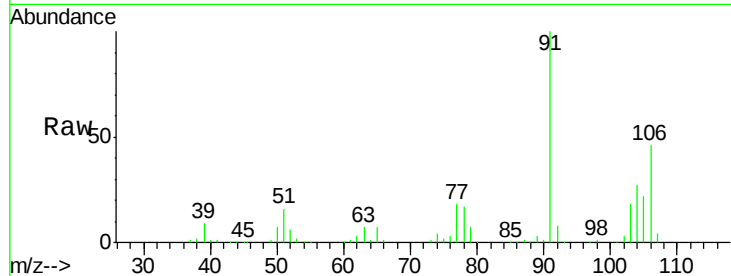
#69
o-Xylene
Concen: 18.237 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampled :
VN0708WBSD01

Tot Ion:106 Resp: 95792
Ion Ratio Lower Upper
106 100
91 212.6 107.1 321.3

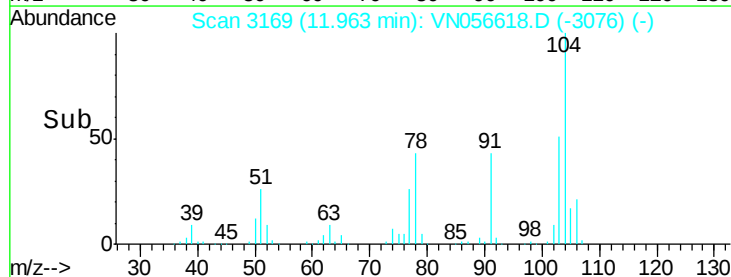
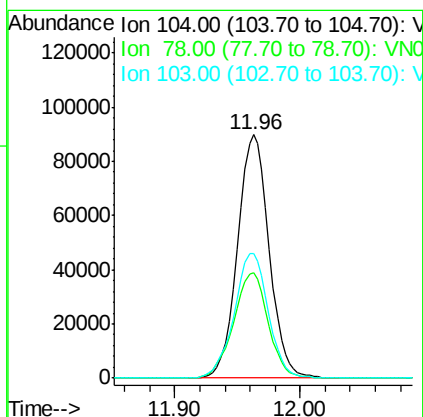
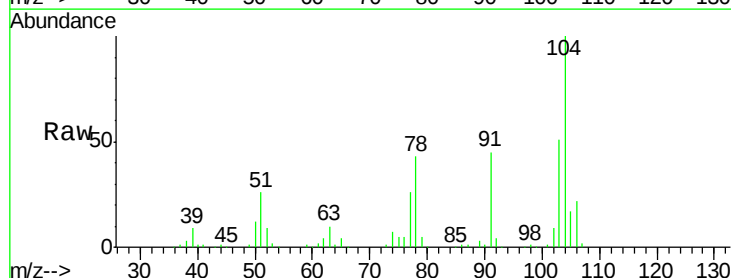
Manual Integrations
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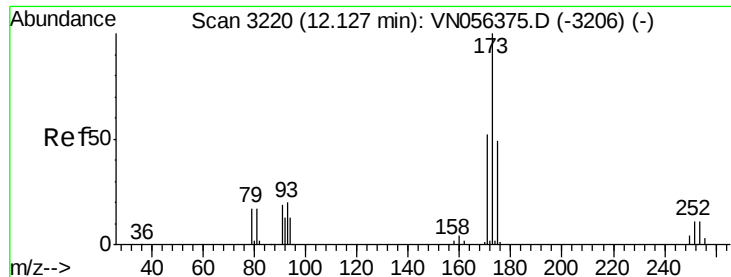
MMDadoda
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#70
Styrene
Concen: 18.745 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion:104 Resp: 157377
Ion Ratio Lower Upper
104 100
78 47.6 38.6 57.8
103 55.3 43.9 65.9





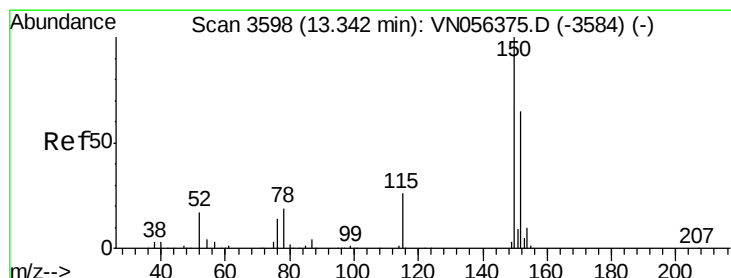
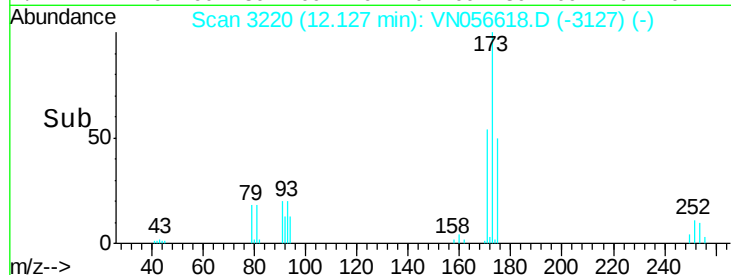
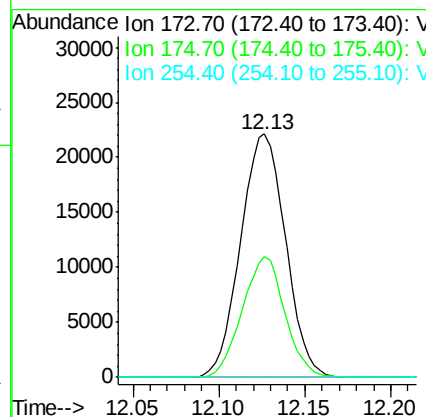
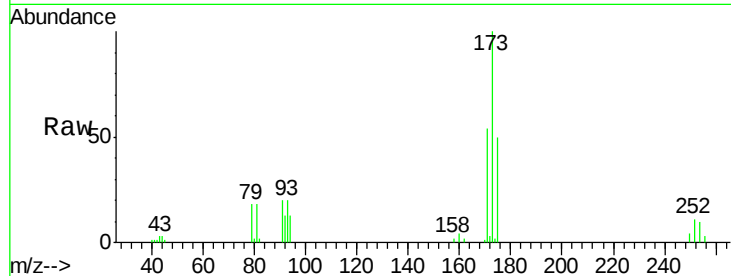
#71
Bromoform
Concen: 19.847 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.4	73.4
254	0.0	0.0	0.0

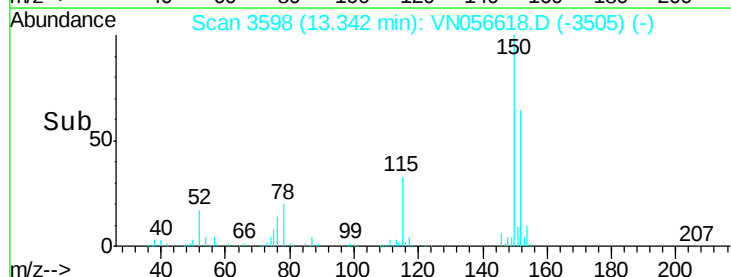
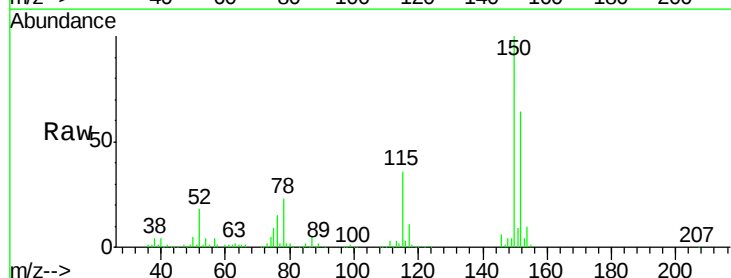
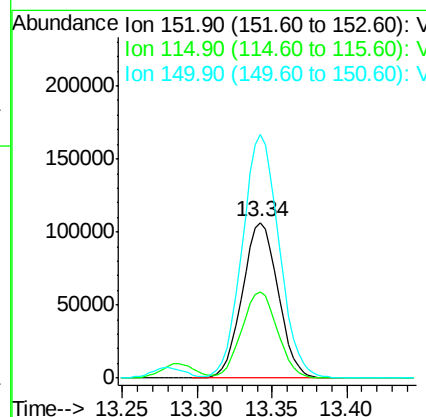
Manual Integrations
APPROVED

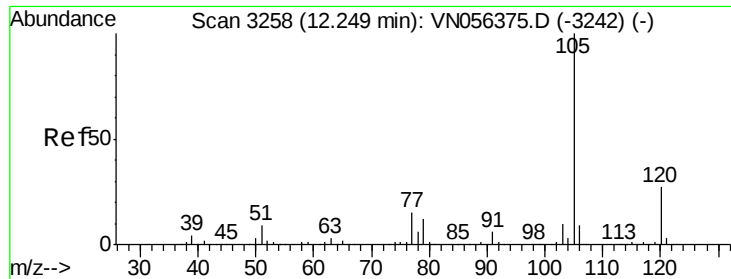
MMDadoda
7/9/2019 9:46:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.1	84.4
150	161.7	0.0	348.4





#73

Isopropylbenzene

Concen: 17.071 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0708WBSD01

Tot Ion: 105 Resp: 250893

Ion Ratio Lower Upper

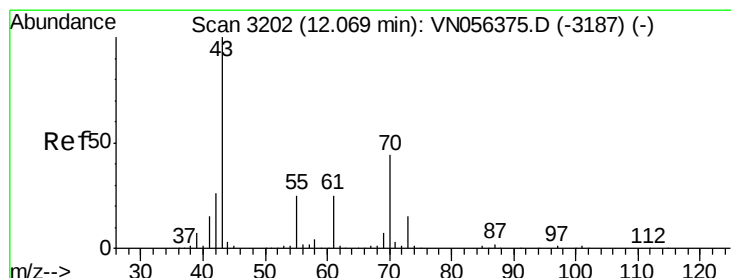
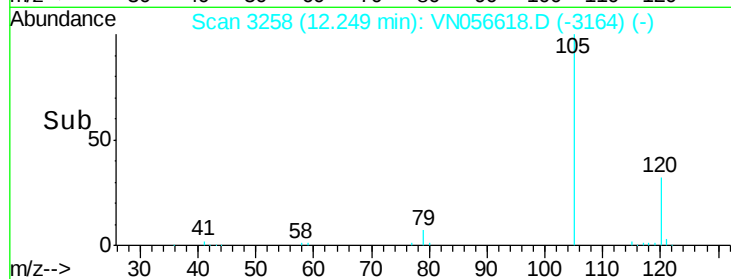
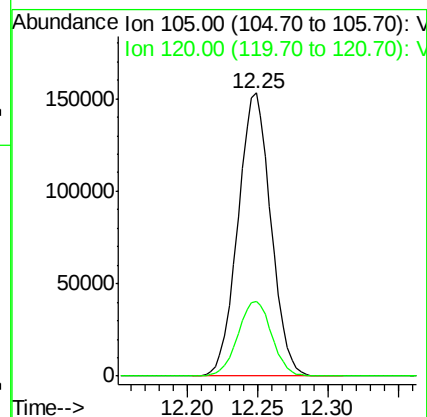
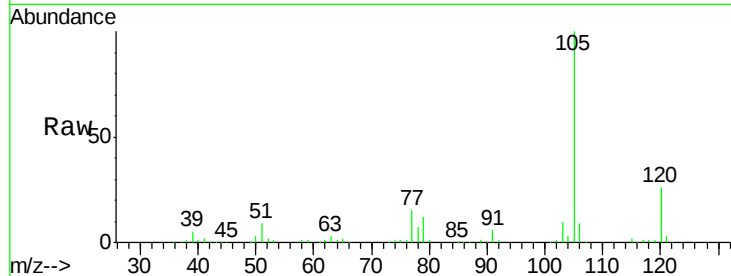
105 100

120 27.0 13.4 40.2

Manual Integrations
APPROVED

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7/9/2019 9:46:50 AM



#74

N-ethyl acetate

Concen: 17.622 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Tgt Ion: 43 Resp: 99431

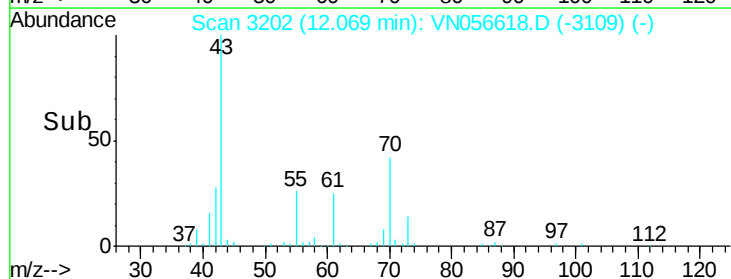
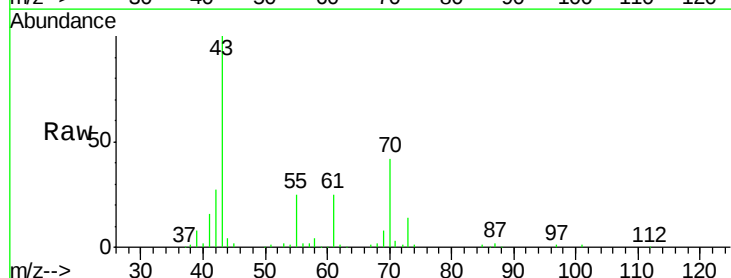
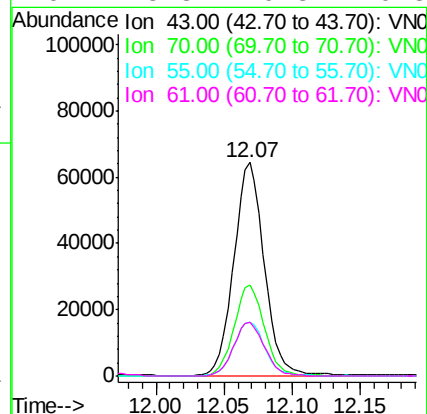
Ion Ratio Lower Upper

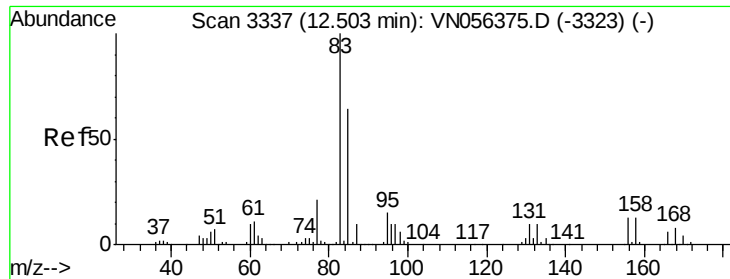
43 100

70 42.6 34.9 52.3

55 26.1 20.4 30.6

61 25.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.471 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

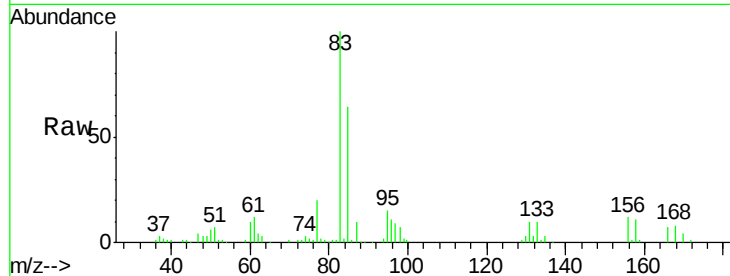
ClientSampled :

VN0708WBSD01

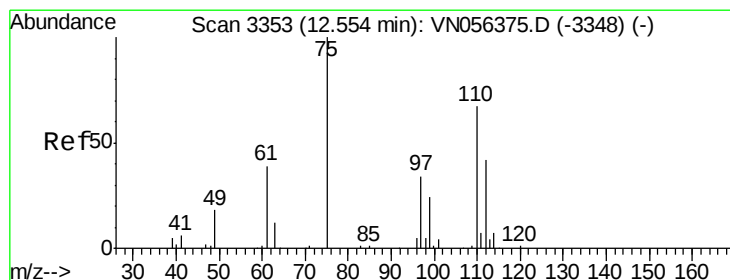
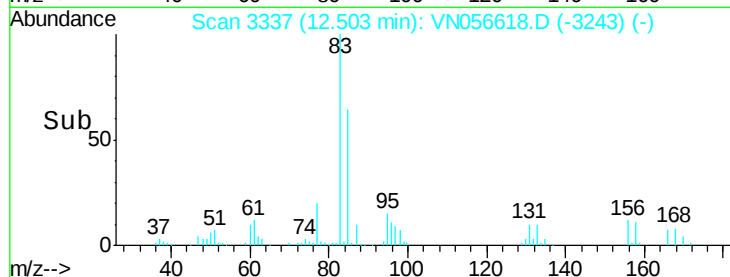
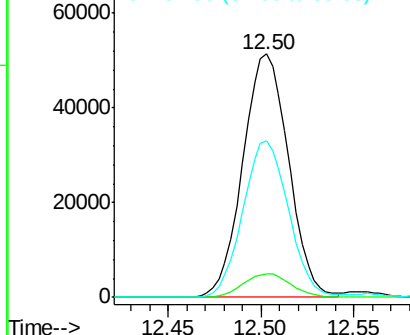
Tot Ion:	83	Resp:	88010
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	63.9	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 20.768 ug/l m

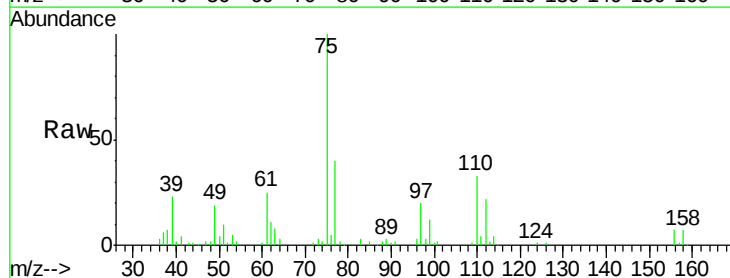
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

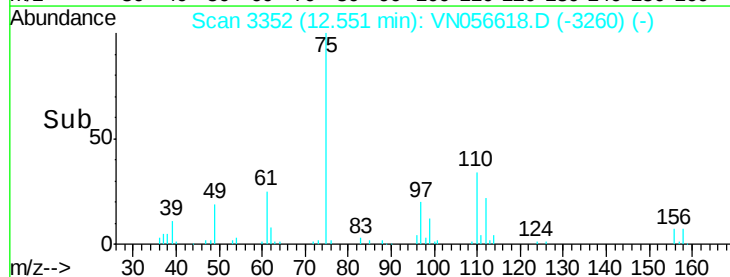
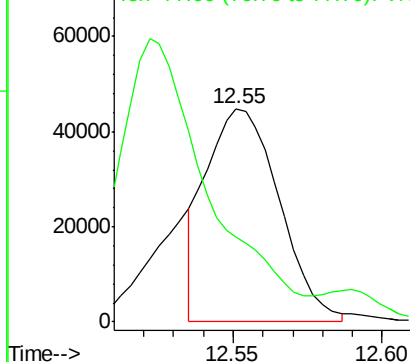
Lab File: VN056618.D

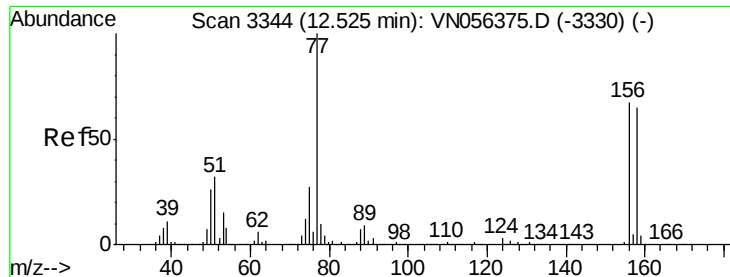
Acq: 8 Jul 2019 18:38

Tgt Ion:	75	Resp:	76348
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 16.577 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

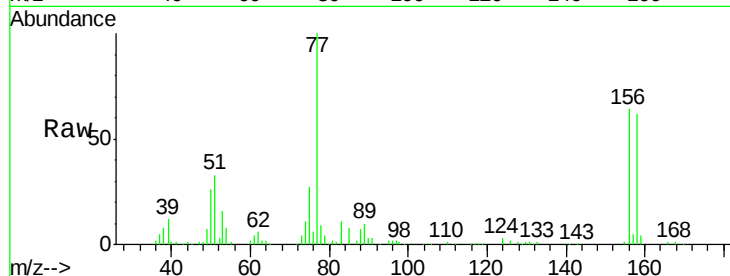
ClientSampleId :

VN0708WBSD01

Tot Ion:	156	Resp:	65716
Ion	Ratio	Lower	Upper
156	100		
77	193.5	92.5	277.3
158	98.3	48.7	146.1

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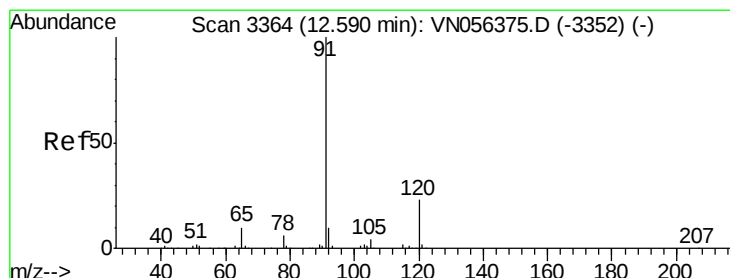
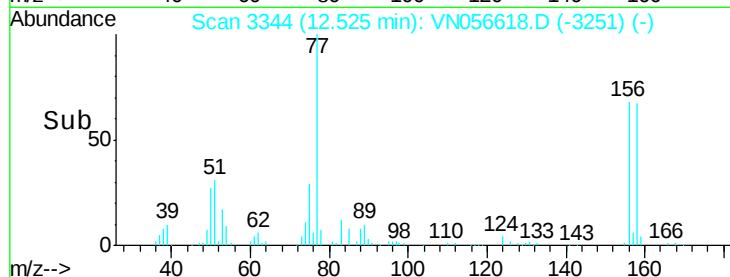
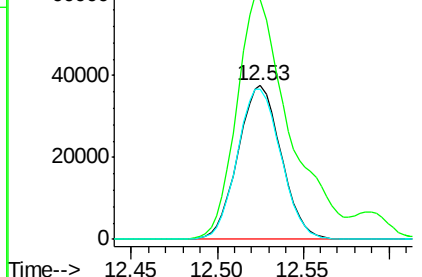
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.865 ug/l

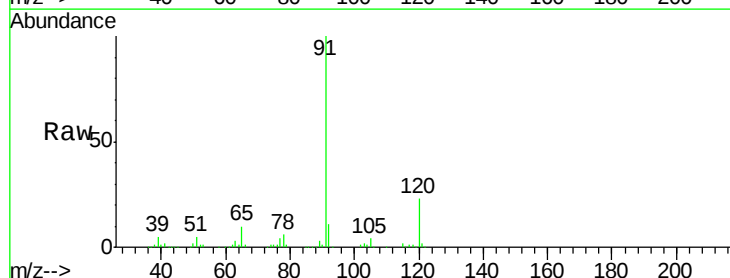
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056618.D

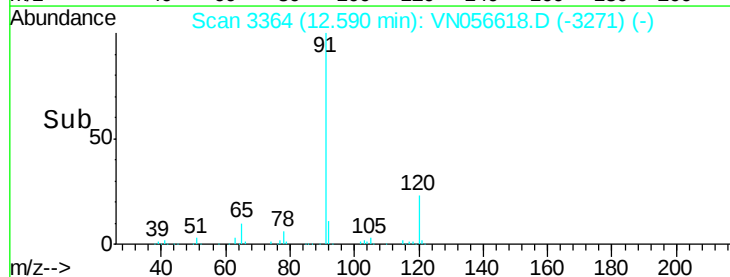
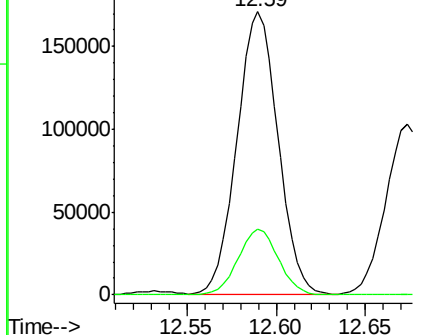
Acq: 8 Jul 2019 18:38

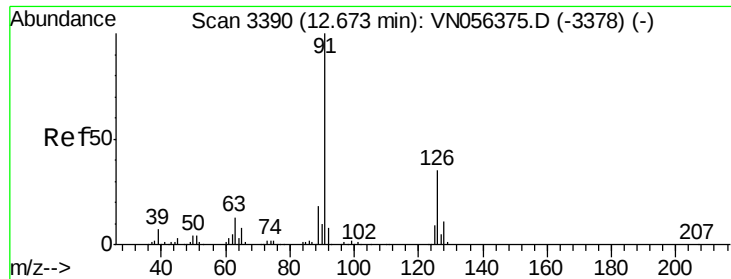
Tgt Ion:	91	Resp:	273815
Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





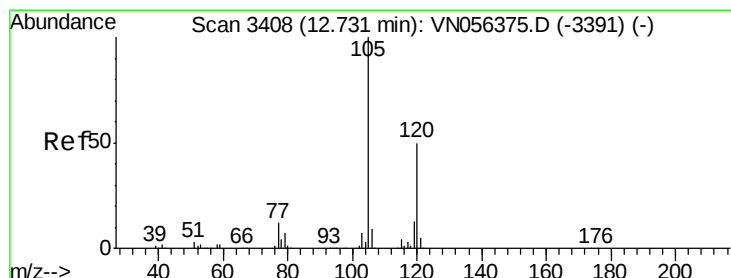
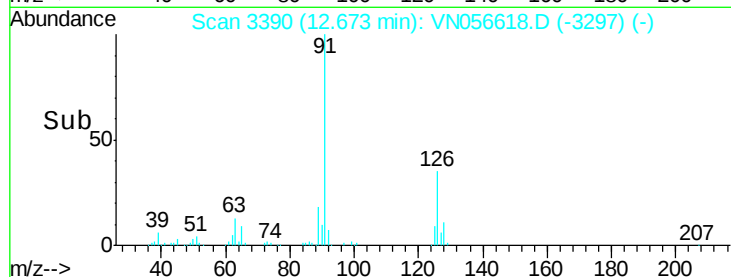
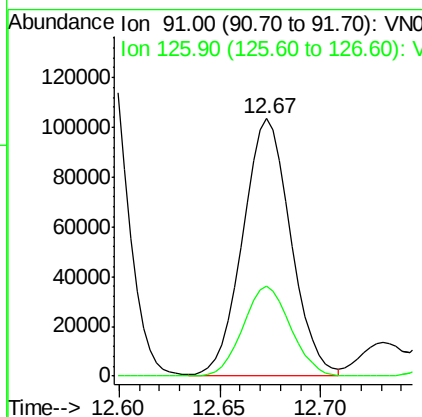
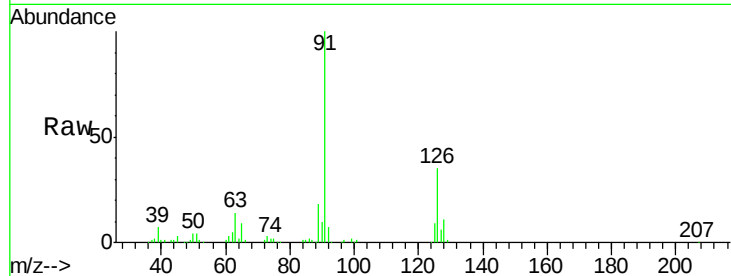
#79
 2-Chlorotoluene
 Concen: 17.555 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion: 91 Resp: 170901
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.6 52.8

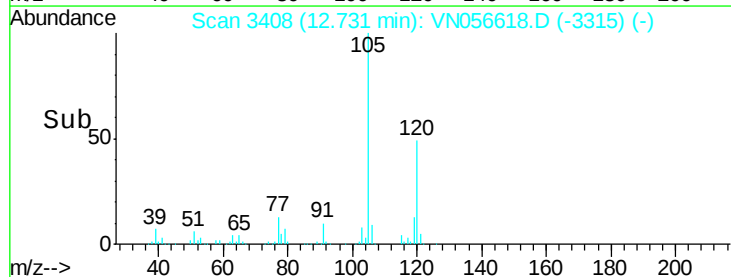
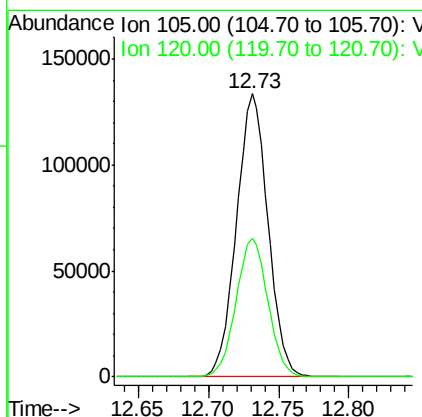
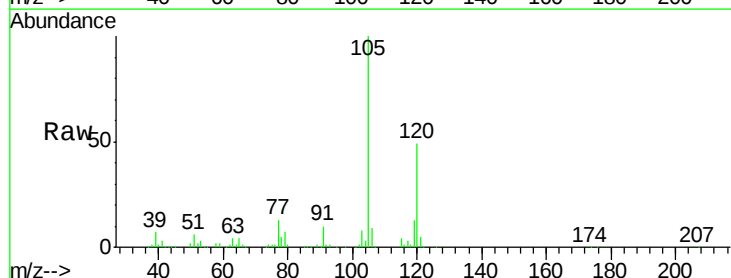
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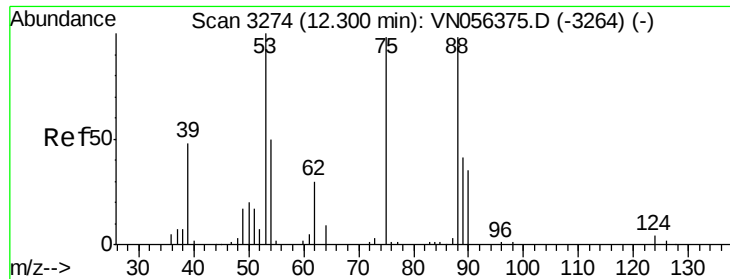
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#80
 1,3,5-Trimethylbenzene
 Concen: 17.242 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion: 105 Resp: 208899
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.077 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion: 75 Resp: 20766

Ion Ratio Lower Upper

75 100

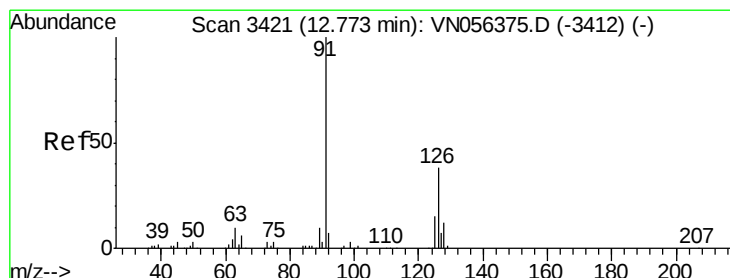
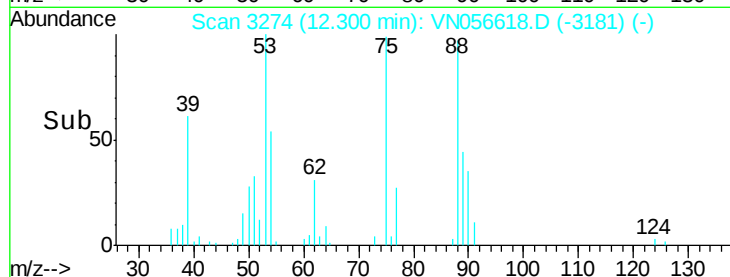
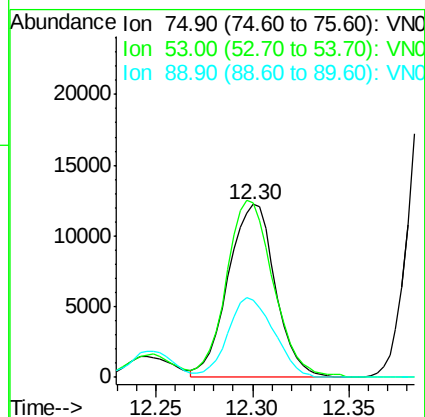
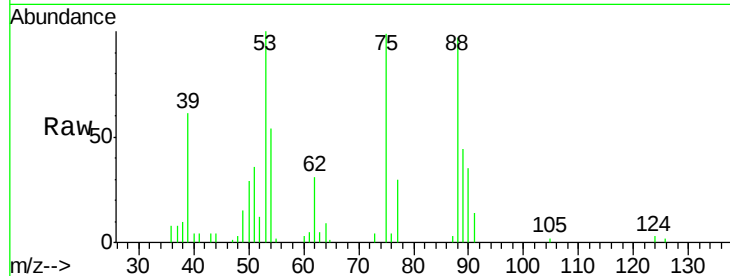
53 102.0 83.9 125.9

89 44.6 35.0 52.6

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#82

4-Chlorotoluene

Concen: 16.854 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056618.D

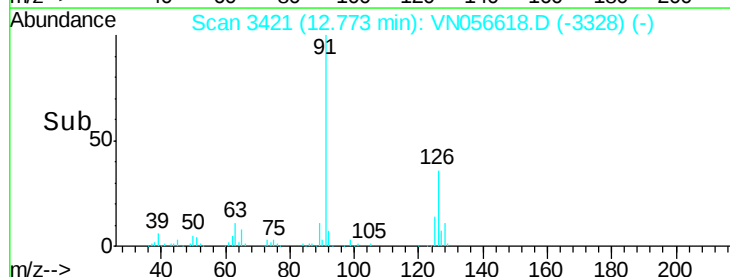
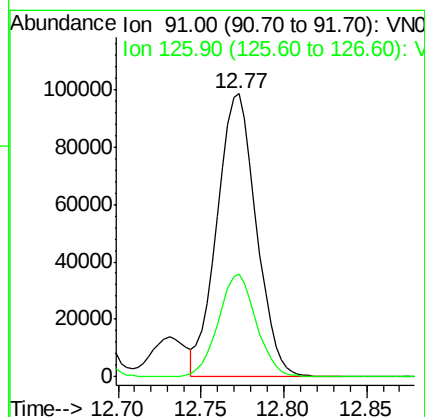
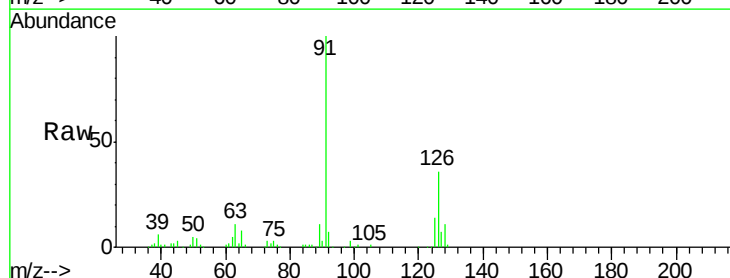
Acq: 8 Jul 2019 18:38

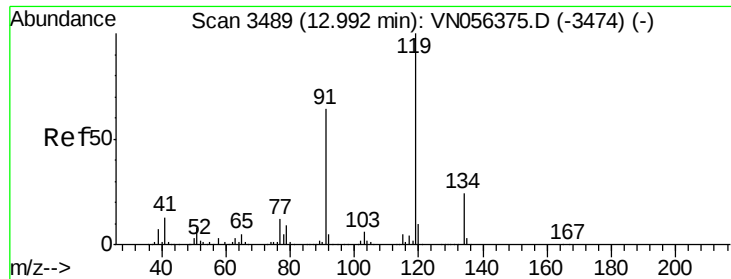
Tgt Ion: 91 Resp: 161561

Ion Ratio Lower Upper

91 100

126 35.3 17.3 52.0





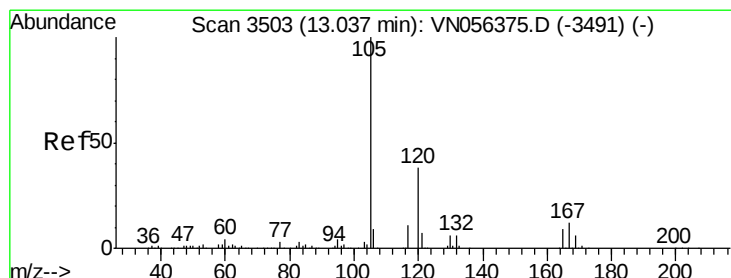
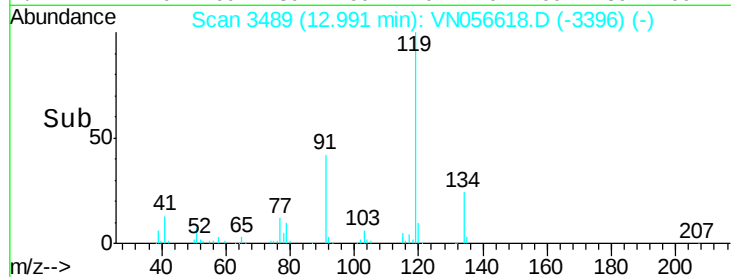
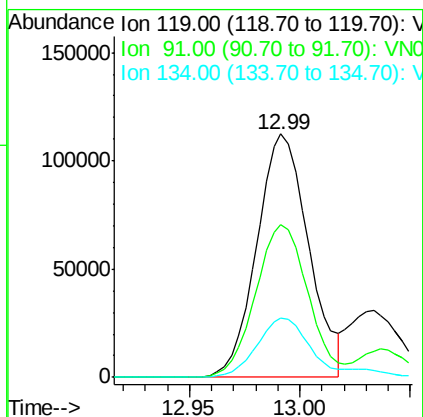
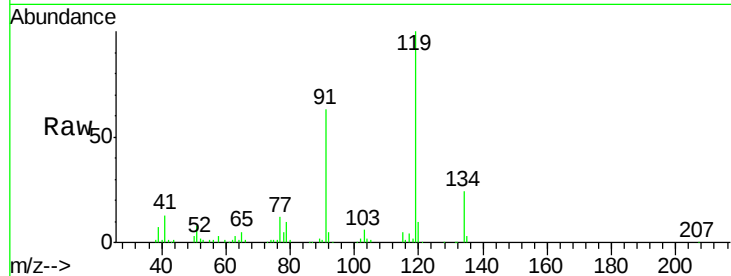
#83
 tert-Butylbenzene
 Concen: 16.976 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0708WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	182772		
91	63.6		31.6	94.7
134	27.0		13.2	39.5

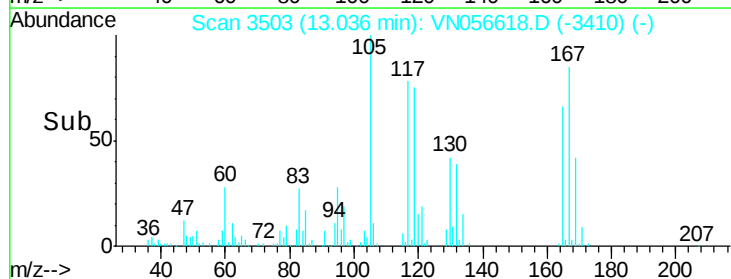
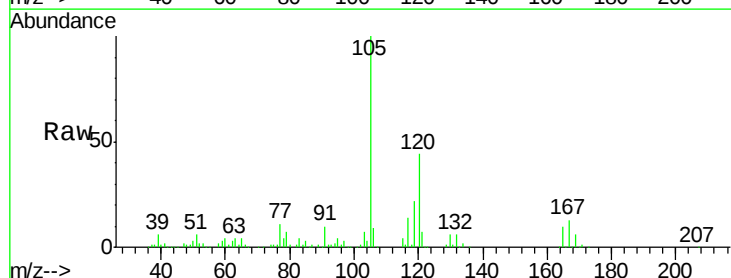
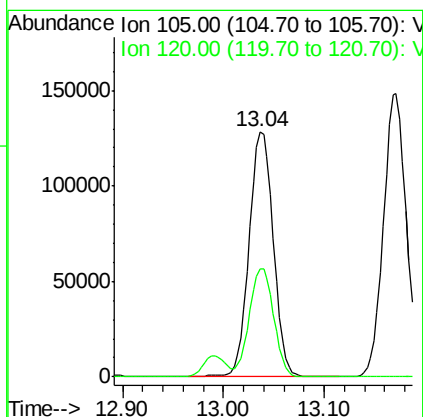
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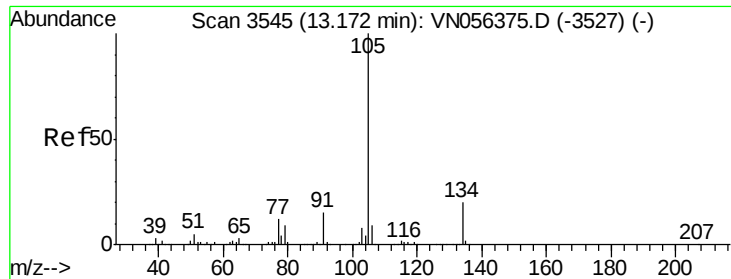
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.741 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	211739		
120	44.5		22.9	68.8





#85

sec-Butylbenzene

Concen: 16.532 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0708WBSD01

Tot Ion:105 Resp: 235908

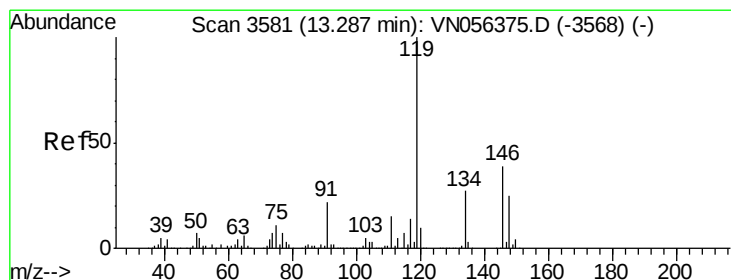
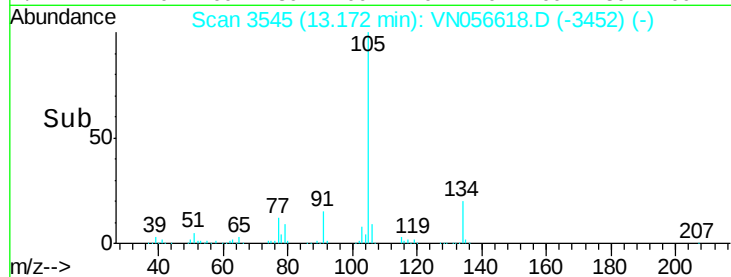
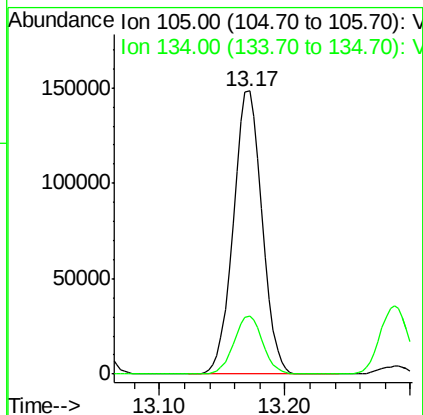
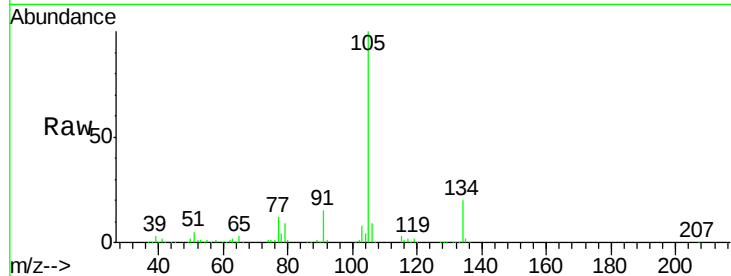
Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 17.354 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

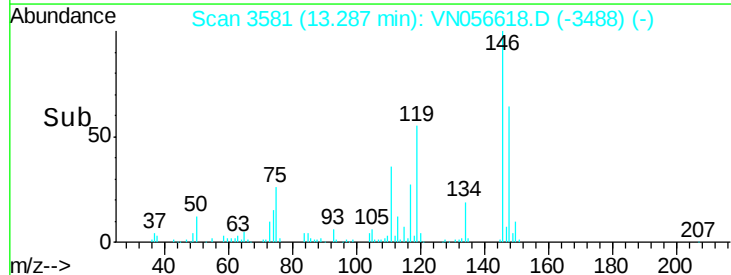
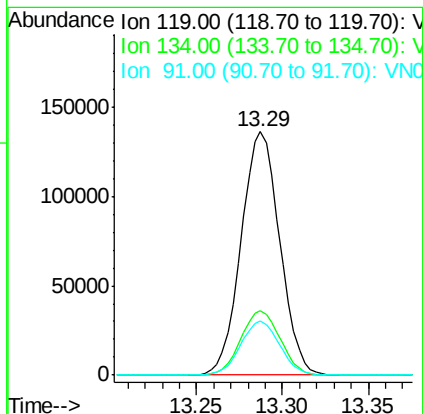
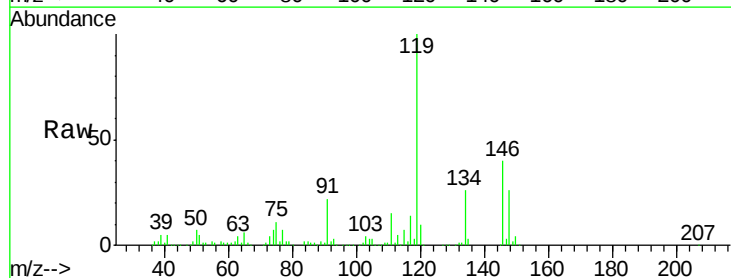
Tgt Ion:119 Resp: 212528

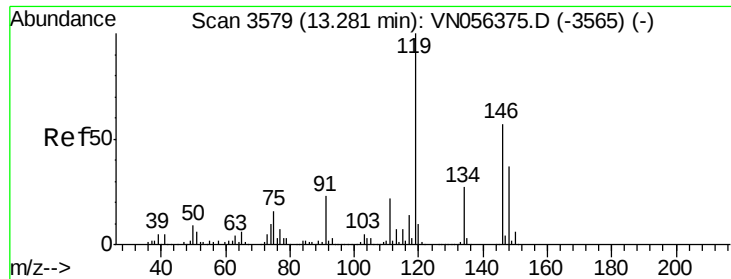
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.5 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 17.539 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

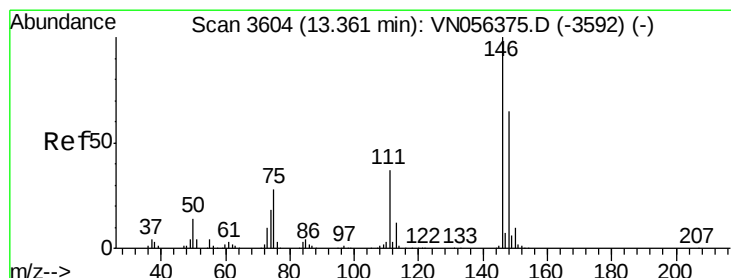
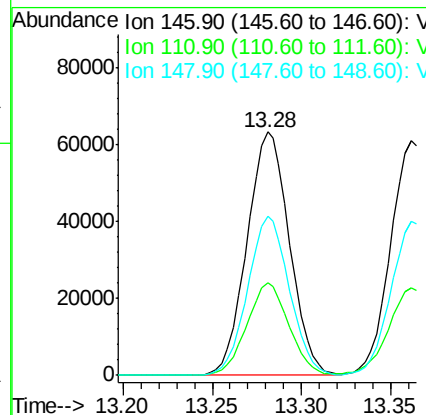
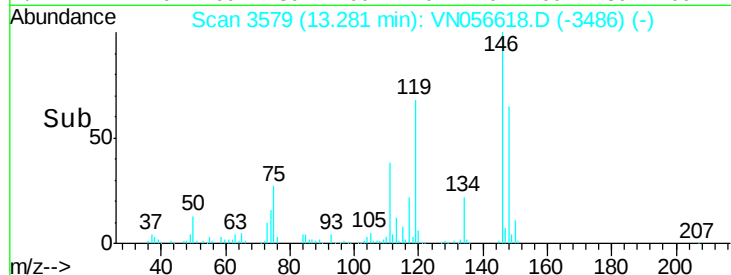
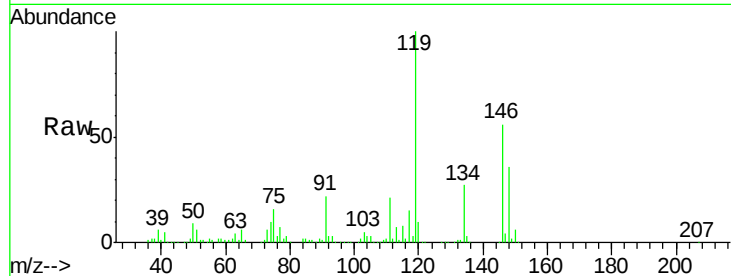
ClientSampleId :

VN0708WBSD01

Tot Ion:	146	Resp:	105368
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.9	56.9
148	64.3	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 17.484 ug/l

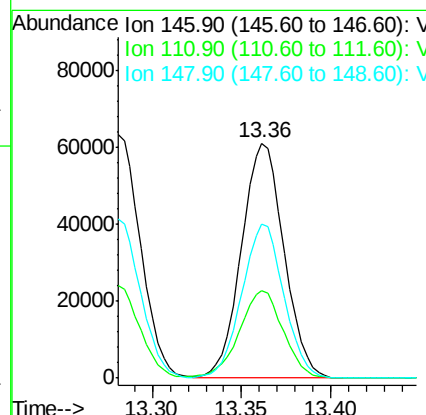
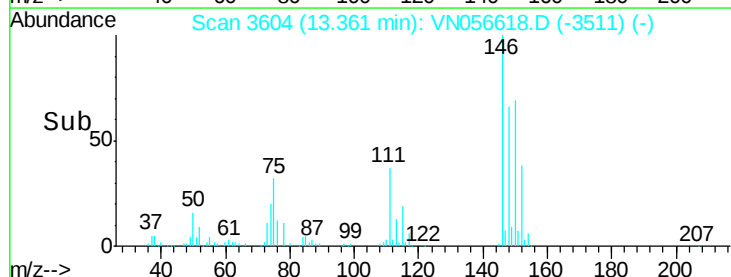
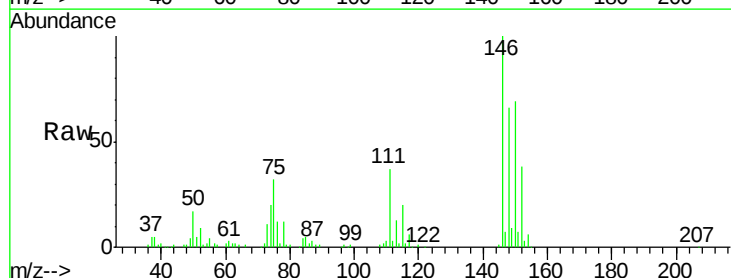
RT: 13.36 min Scan# 3604

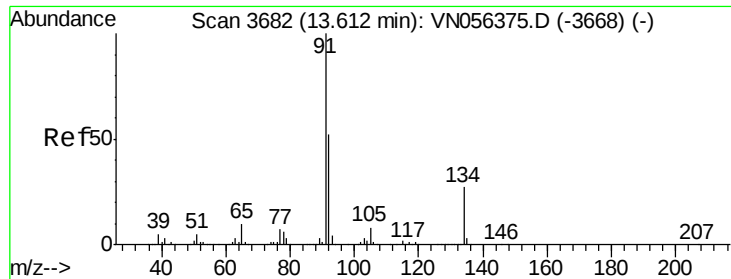
Delta R.T. -0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Tgt Ion:	146	Resp:	101725
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.4	55.4
148	64.7	32.4	97.0





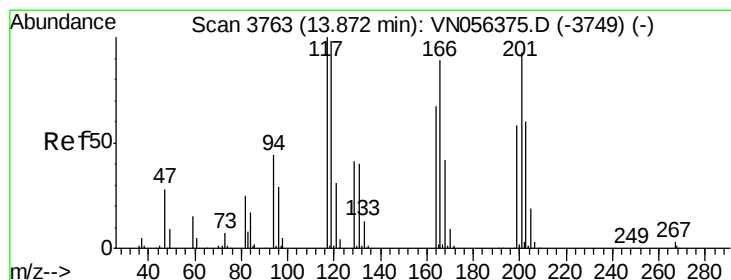
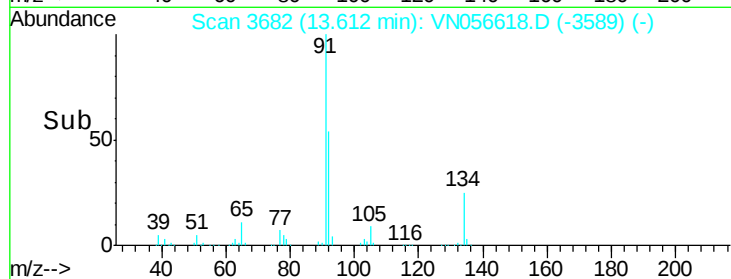
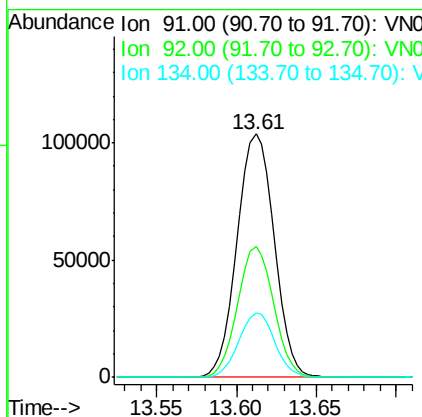
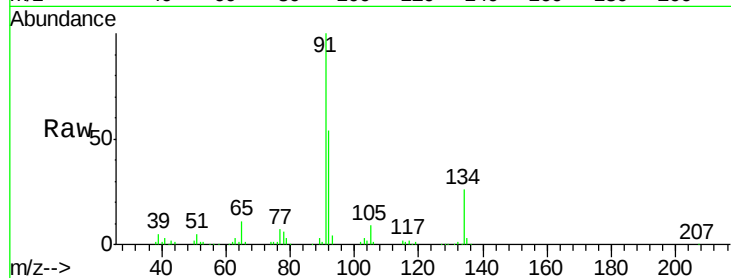
#89
n-Butylbenzene
Concen: 17.729 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	25.7	13.4	40.2

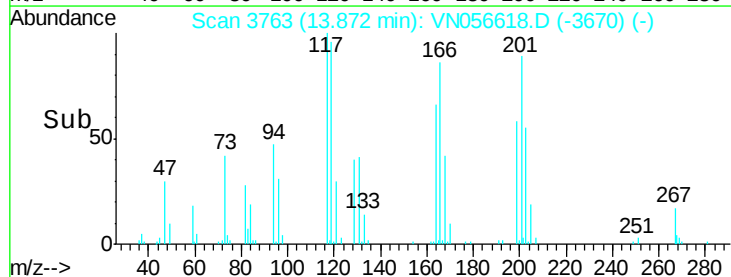
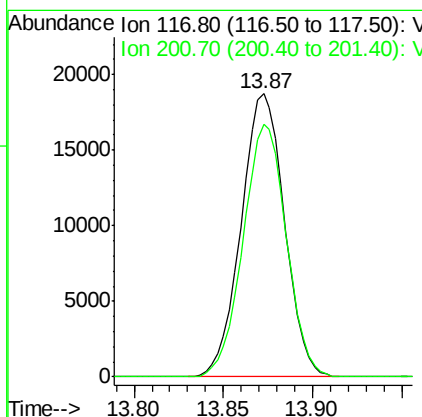
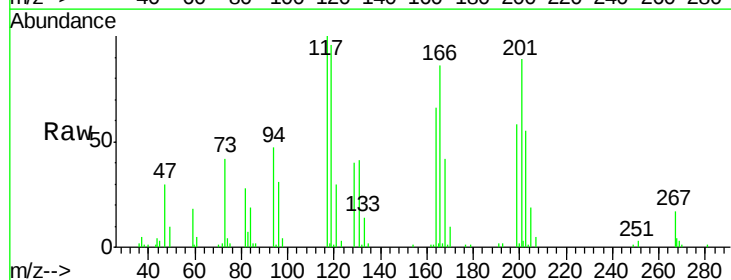
Manual Integrations
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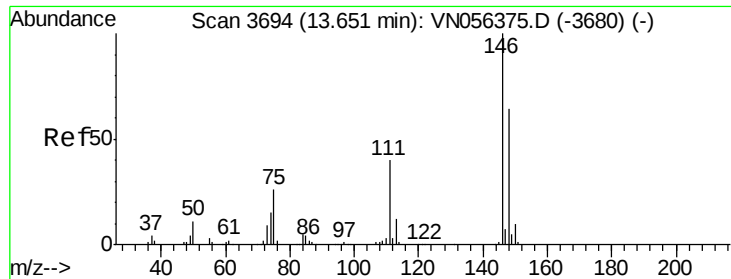
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#90
Hexachloroethane
Concen: 16.630 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056618.D
Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	45.9	137.6





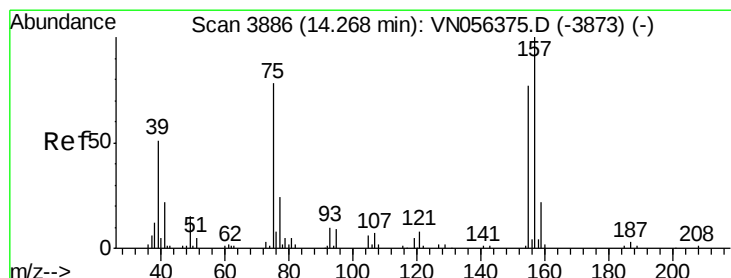
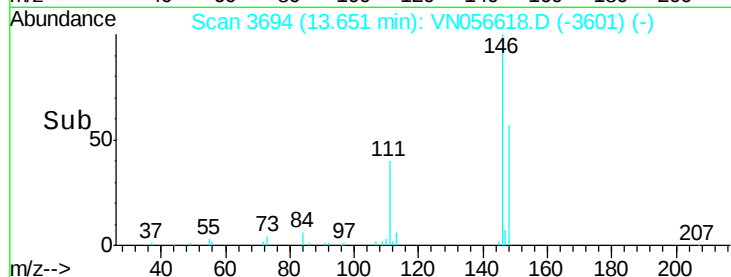
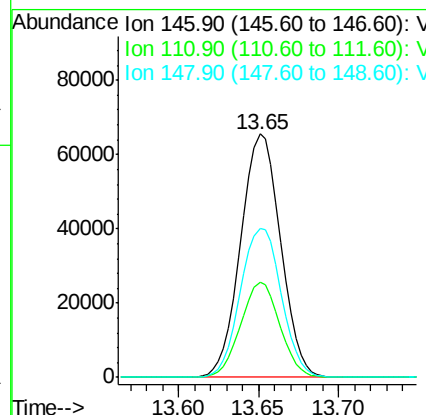
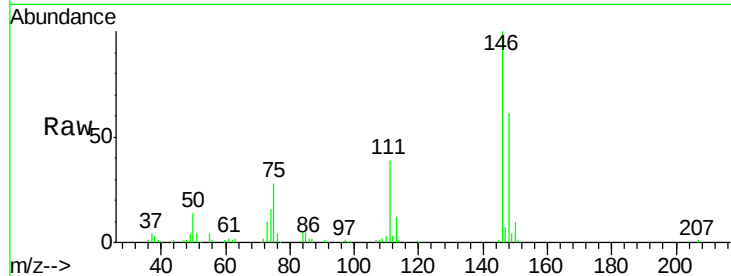
#91
 1,2-Dichlorobenzene
 Concen: 18.701 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	62.9	32.0	96.0

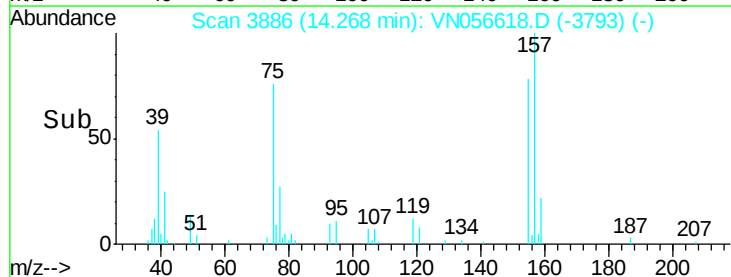
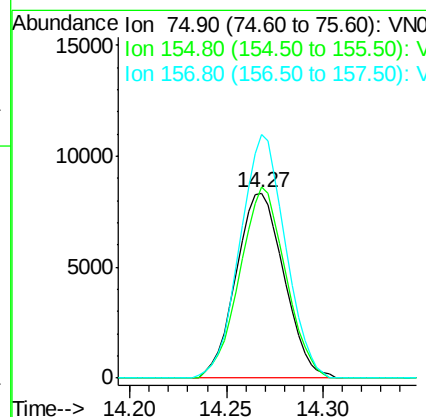
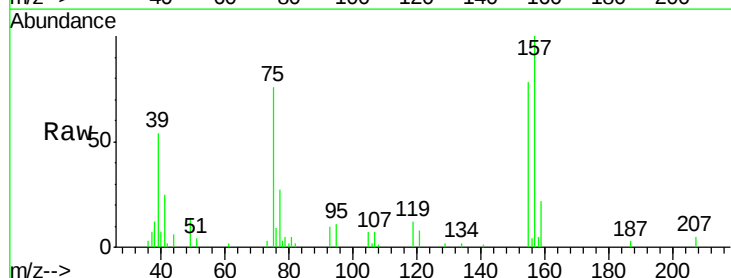
Manual Integrations
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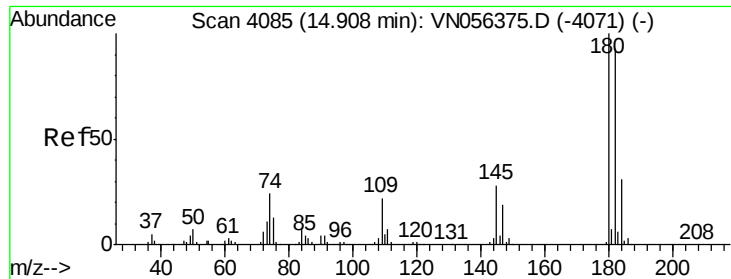
MMDadoda
 7/9/2019 9:46:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.892 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	48.9	146.8
157	124.8	62.9	188.8





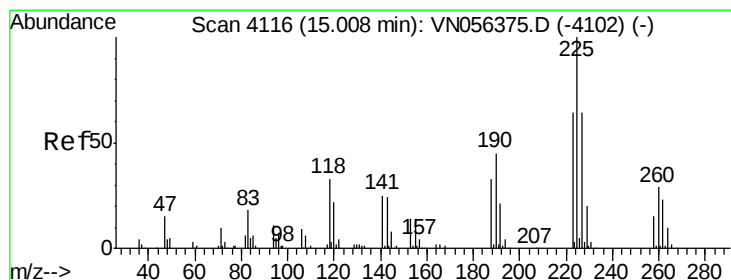
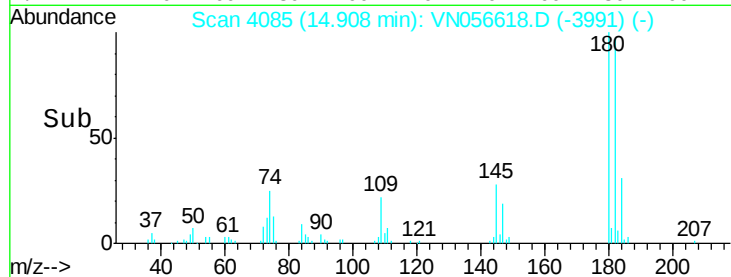
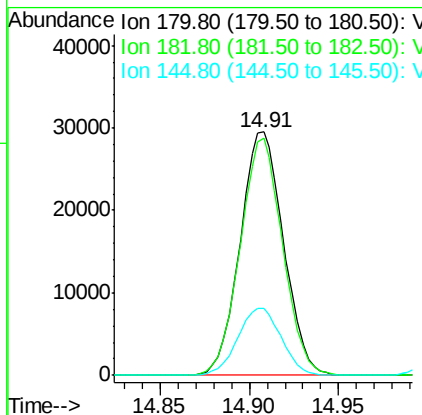
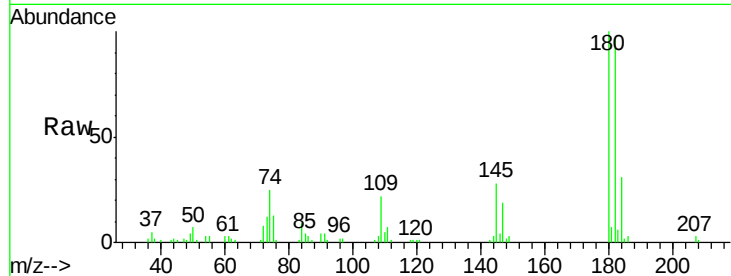
#93
 1,2,4-Trichlorobenzene
 Concen: 19.949 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0708WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.6
145	27.6	14.4	43.0

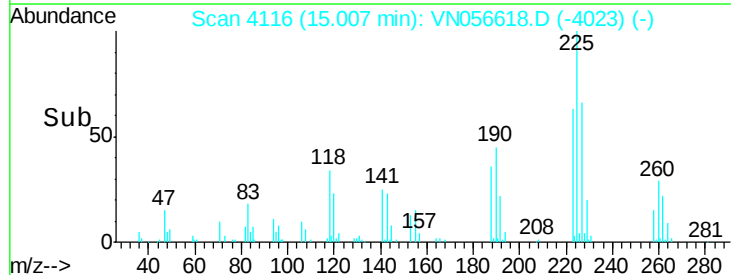
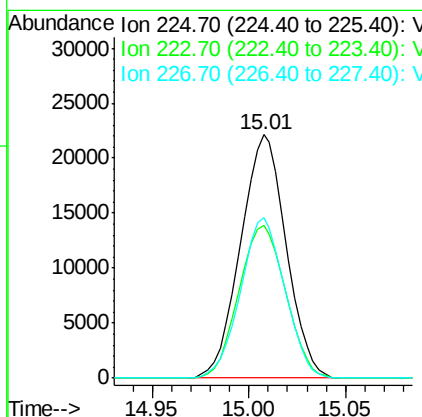
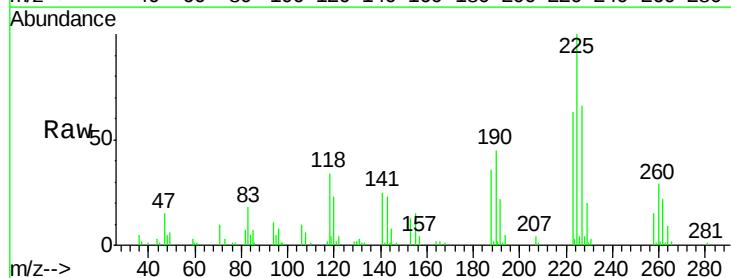
Manual Integrations
 APPROVED

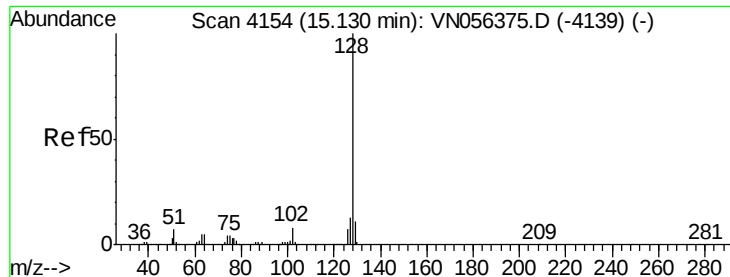
MMDadoda
 7/9/2019 9:46:50 AM



#94
 Hexachlorobutadiene
 Concen: 16.676 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056618.D
 Acq: 8 Jul 2019 18:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.4	94.3
227	64.3	32.1	96.3





#95

Naphthalene

Concen: 21.026 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Instrument :

MSVOA_N

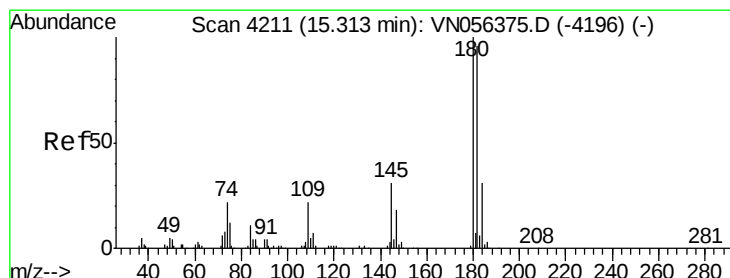
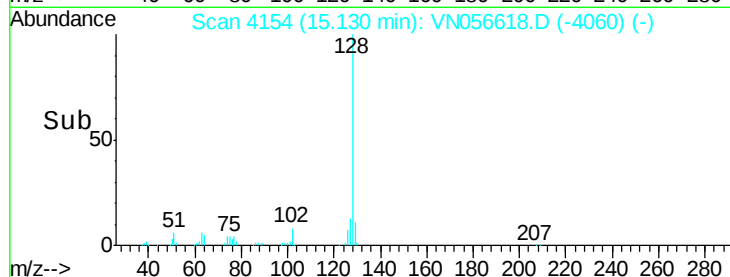
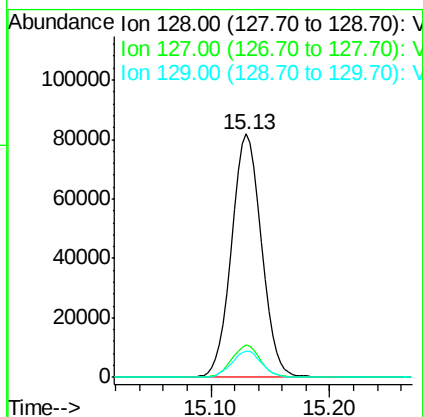
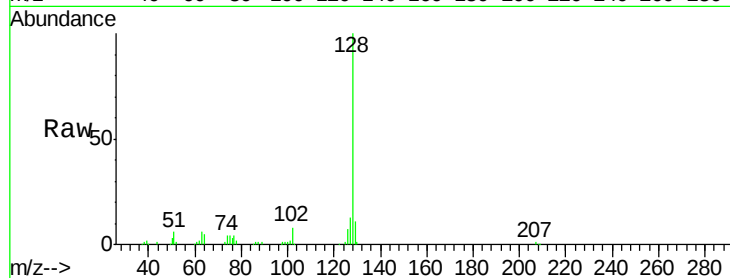
ClientSampleId :

VN0708WBSD01

Tot Ion:	128	Resp:	143027
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2019 9:46:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.459 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056618.D

Acq: 8 Jul 2019 18:38

Tgt Ion:	180	Resp:	56447
Ion Ratio	Lower	Upper	
180	100		
182	93.1	48.3	144.8
145	30.6	15.4	46.1

