

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056093.D
 Acq On : 7 Jun 2019 12:26
 Operator : JC/SP
 Sample : VN0608WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:27:06 AM

Quant Time: Jun 08 05:40:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	373768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	529175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205507	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	168933	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
35) Dibromofluoromethane	7.59	113	151837	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	10.09	98	578305	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.40	95	196585	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	80245	19.758	ug/l	97
3) Chloromethane	2.06	50	80275	19.813	ug/l	96
4) Vinyl Chloride	2.18	62	80812	19.884	ug/l	98
5) Bromomethane	2.52	94	48040	18.712	ug/l	100
6) Chloroethane	2.67	64	41329	17.539	ug/l	99
7) Trichlorofluoromethane	3.00	101	102032	19.665	ug/l	98
8) Diethyl Ether	3.40	74	40455	18.961	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66678	21.156	ug/l	99
10) Methyl Iodide	3.94	142	81030	16.178	ug/l	98
11) Tert butyl alcohol	4.82	59	63785	98.764	ug/l	98
12) 1,1-Dichloroethene	3.72	96	61408	19.571	ug/l	96
13) Acrolein	3.60	56	12998	69.783	ug/l	100
14) Allyl chloride	4.31	41	94354	19.044	ug/l	99
15) Acrylonitrile	4.99	53	174716	111.133	ug/l	100
16) Acetone	3.82	43	178785	100.727	ug/l	100
17) Carbon Disulfide	4.04	76	127606	16.985	ug/l	99
18) Methyl Acetate	4.33	43	80283	22.711	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	201699	20.167	ug/l	99
20) Methylene Chloride	4.54	84	73248	20.030	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	66117	19.666	ug/l	96
22) Diisopropyl ether	5.95	45	207012	20.212	ug/l	99
23) Vinyl Acetate	5.90	43	843354	104.562	ug/l	99
24) 1,1-Dichloroethane	5.84	63	119394	20.209	ug/l	100
25) 2-Butanone	6.84	43	245119	109.301	ug/l	99
26) 2,2-Dichloropropane	6.82	77	83877	18.194	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	78816	19.944	ug/l	97
28) Bromochloromethane	7.19	49	35192	12.596	ug/l	99
29) Tetrahydrofuran	7.22	42	156003	112.537	ug/l	100
30) Chloroform	7.37	83	119931	20.179	ug/l	100
31) Cyclohexane	7.65	56	117131	19.890	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	96151	19.374	ug/l	100
36) 1,1-Dichloropropene	7.79	75	89219	19.608	ug/l	99
37) Ethyl Acetate	6.93	43	89941	22.216	ug/l	100
38) Carbon Tetrachloride	7.77	117	82150	19.583	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	116948	20.632	ug/l	99
40) Benzene	8.04	78	281864	20.396	ug/l	100
41) Methacrylonitrile	7.17	41	40083	21.519	ug/l	93
42) 1,2-Dichloroethane	8.12	62	90432	20.343	ug/l	100
43) Isopropyl Acetate	8.17	43	139043	21.194	ug/l #	91
44) Trichloroethene	8.83	130	79205	19.945	ug/l	98
45) 1,2-Dichloropropane	9.12	63	74096	20.932	ug/l	100
46) Dibromomethane	9.21	93	48219	20.831	ug/l	99
47) Bromodichloromethane	9.40	83	83737	19.959	ug/l	99
48) Methyl methacrylate	9.20	41	70578	21.990	ug/l	98
49) 1,4-Dioxane	9.20	88	29750	429.345	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	462308	112.686	ug/l	99
52) Toluene	10.16	92	179023	20.818	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	85430	18.933	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	102864	20.398	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	70927	20.821	ug/l	98
56) Ethyl methacrylate	10.43	69	107459	21.623	ug/l	98
57) 1,3-Dichloropropane	10.71	76	117926	21.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	144534	83.864	ug/l	100
59) 2-Hexanone	10.75	43	332224	111.728	ug/l	100
60) Dibromochloromethane	10.90	129	68295	19.739	ug/l	100
61) 1,2-Dibromoethane	11.00	107	73868	21.212	ug/l	98
64) Tetrachloroethene	10.63	164	78225	19.003	ug/l	98
65) Chlorobenzene	11.43	112	193240	20.417	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	67291	20.591	ug/l	100
67) Ethyl Benzene	11.51	91	340401	20.683	ug/l	99
68) m/p-Xylenes	11.62	106	257934	41.027	ug/l	99
69) o-Xylene	11.95	106	125560	20.303	ug/l	99
70) Styrene	11.96	104	205615	20.926	ug/l	99
71) Bromoform	12.13	173	44447	18.053	ug/l #	99
73) Isopropylbenzene	12.25	105	334840	21.478	ug/l	100
74) N-amyl acetate	12.07	43	119783	21.866	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	100118	20.986	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	84981m	22.473	ug/l	
77) Bromobenzene	12.52	156	88006	20.002	ug/l	97
78) n-propylbenzene	12.59	91	362893	20.873	ug/l	100
79) 2-Chlorotoluene	12.67	91	216765	21.138	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	275669	19.951	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21066	18.552	ug/l #	82
82) 4-Chlorotoluene	12.77	91	210858	20.730	ug/l	100
83) tert-Butylbenzene	12.99	119	243197	21.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	269548	20.571	ug/l	99
85) sec-Butylbenzene	13.17	105	318683	20.698	ug/l	100
86) p-Isopropyltoluene	13.29	119	292488	21.226	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	140251	20.596	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	134571	20.543	ug/l	99
89) n-Butylbenzene	13.61	91	218945	21.449	ug/l	99
90) Hexachloroethane	13.87	117	38661	18.604	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	139879	20.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14341	21.017	ug/l	98

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68486	20.803	ug/l	99
94) Hexachlorobutadiene	15.01	225	54697	22.030	ug/l	98
95) Naphthalene	15.13	128	189300	21.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	76394	21.617	ug/l	100

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

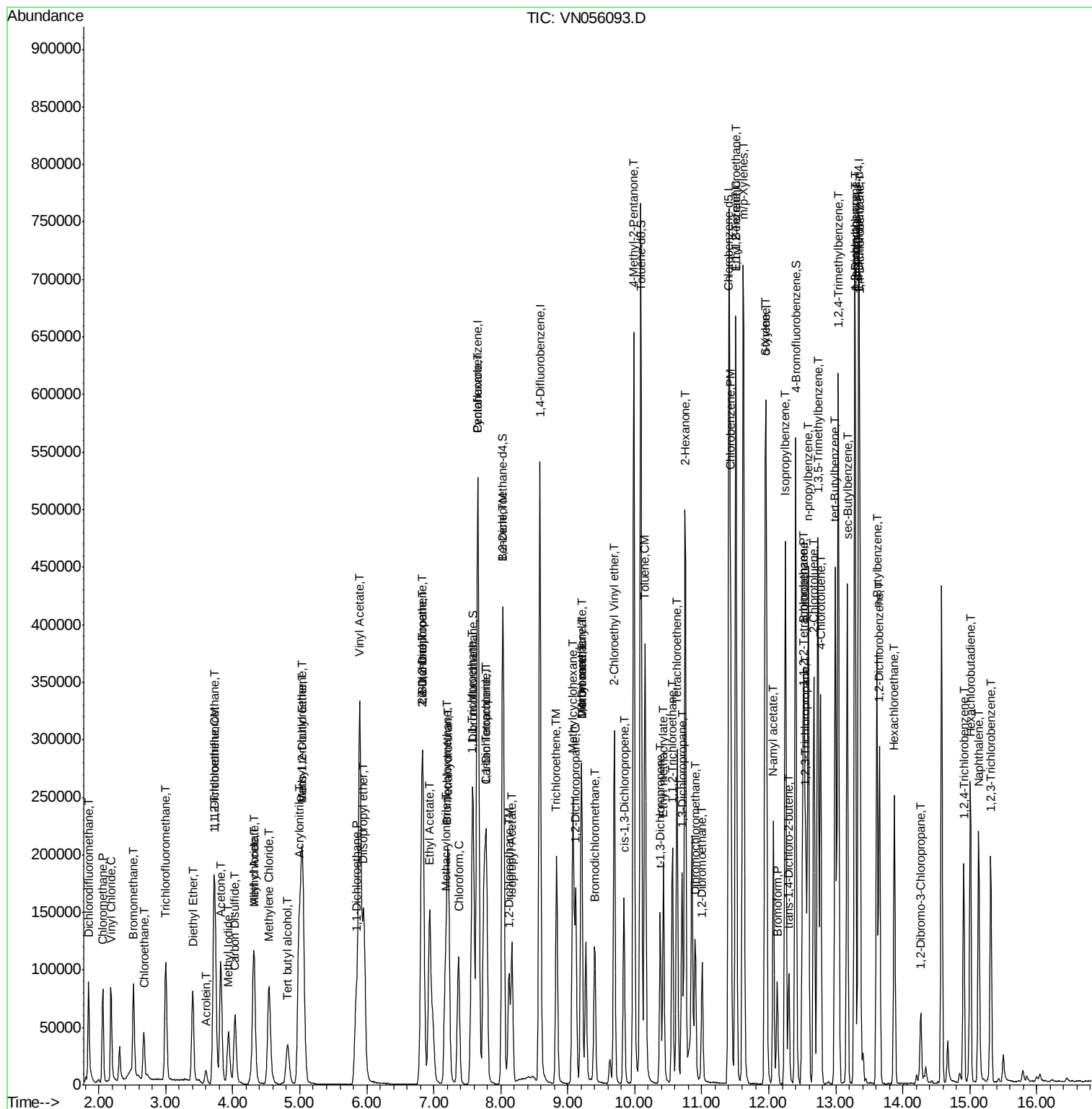
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Data File : VN056093.D
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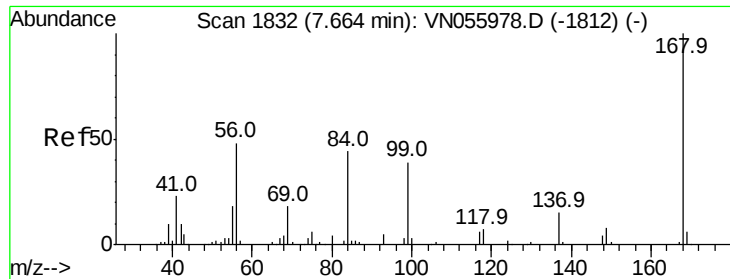
Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion:168 Resp: 373768

Ion Ratio Lower Upper

168 100

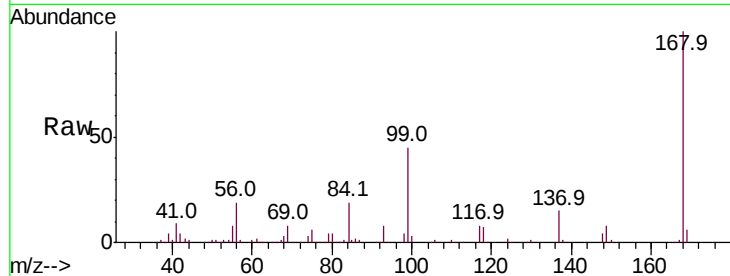
99 44.5 37.2 55.8

Manual Integrations

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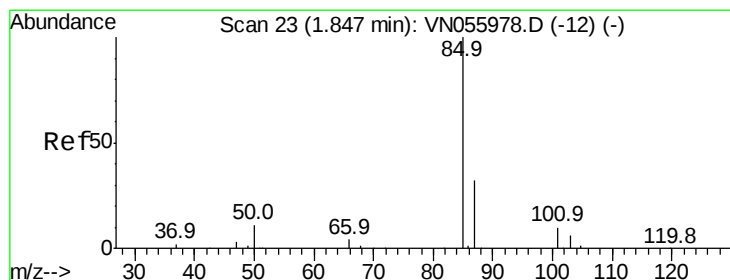
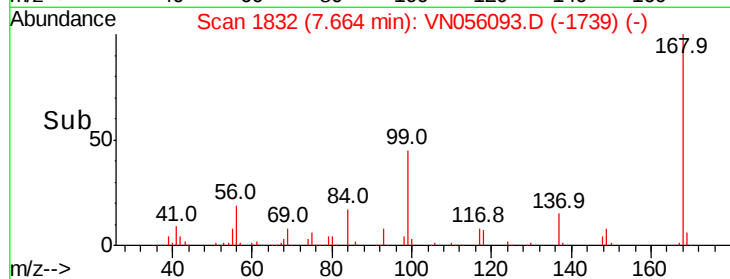
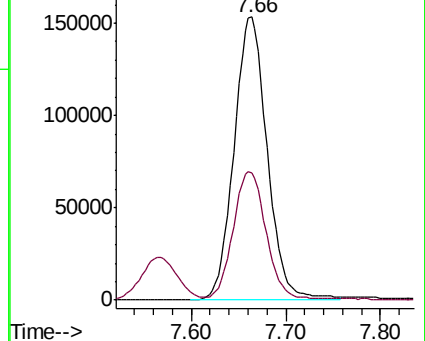
MMDadoda

6/10/2019 11:27:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.758 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056093.D

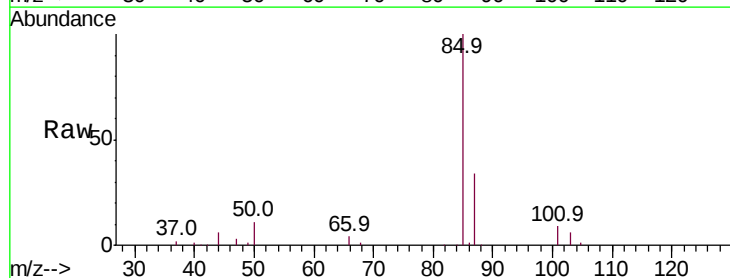
Acq: 7 Jun 2019 12:26

Tgt Ion: 85 Resp: 80245

Ion Ratio Lower Upper

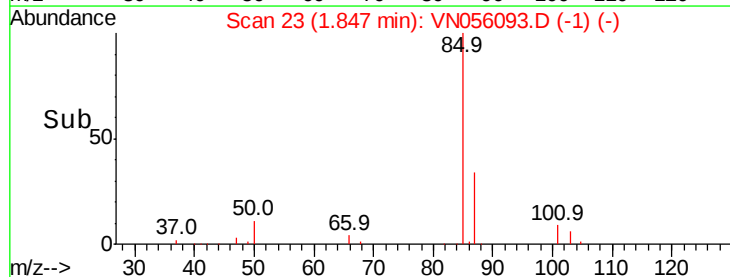
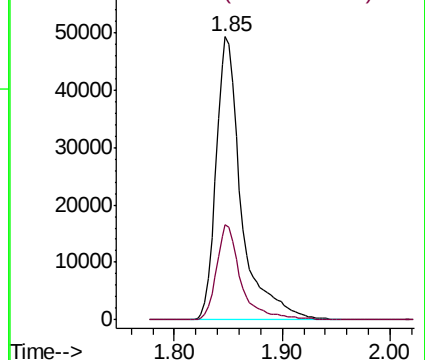
85 100

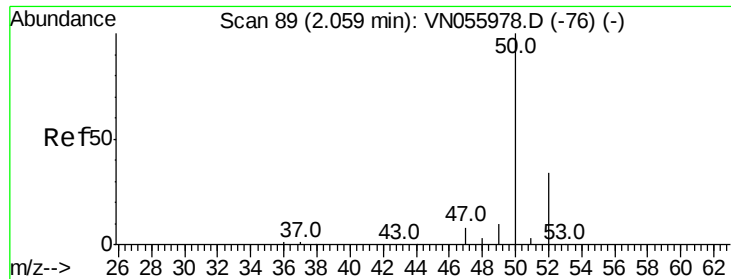
87 33.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.813 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion: 50 Resp: 80275

Ion Ratio Lower Upper

50 100

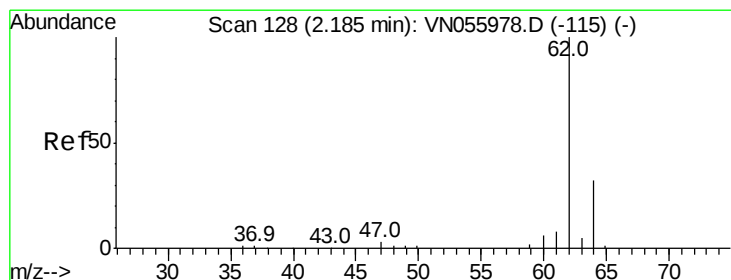
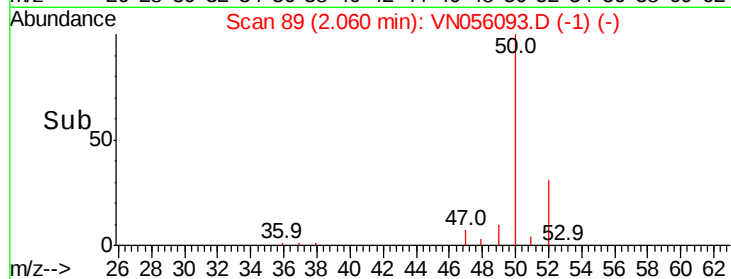
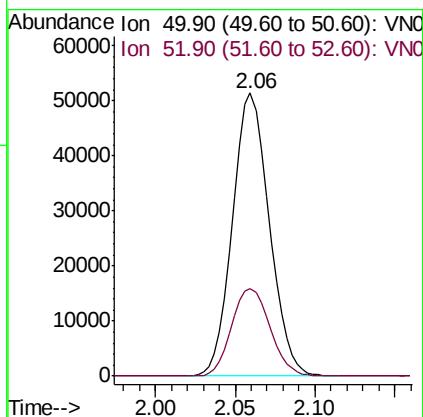
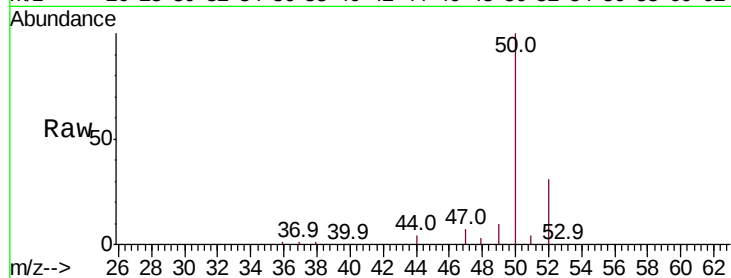
52 30.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.884 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056093.D

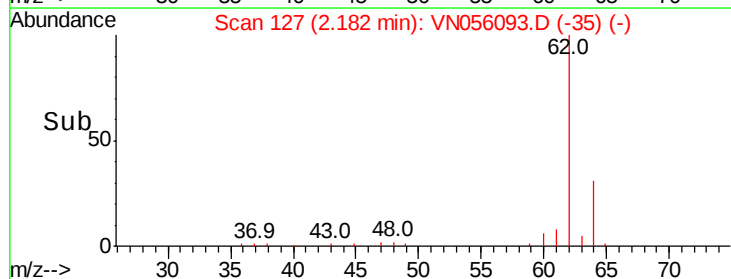
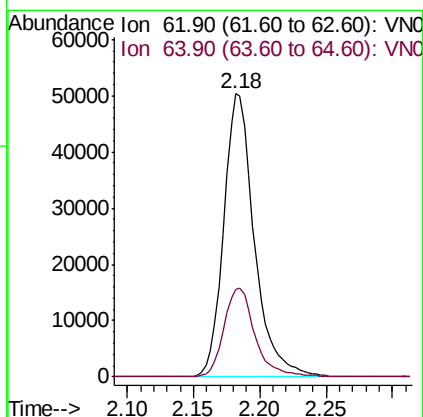
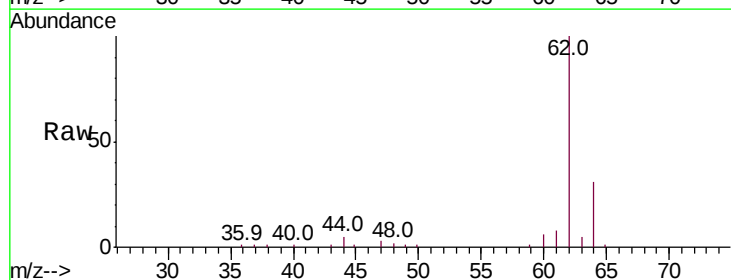
Acq: 7 Jun 2019 12:26

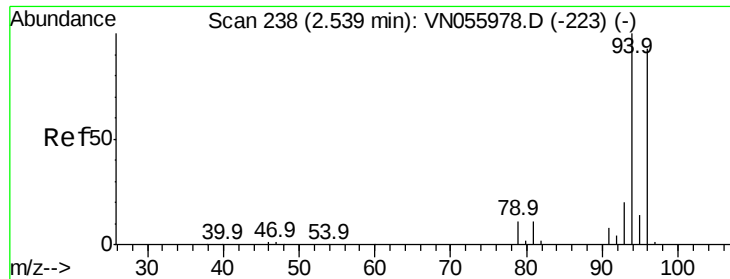
Tgt Ion: 62 Resp: 80812

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 18.712 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

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ClientSampleId :

VN0608WBS02

Tot Ion: 94 Resp: 48040

Ion Ratio Lower Upper

94 100

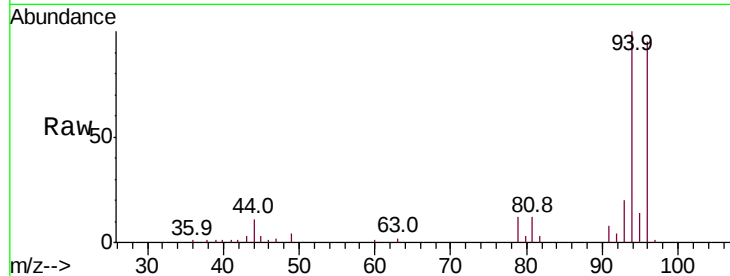
96 94.6 75.5 113.3

Manual Integrations

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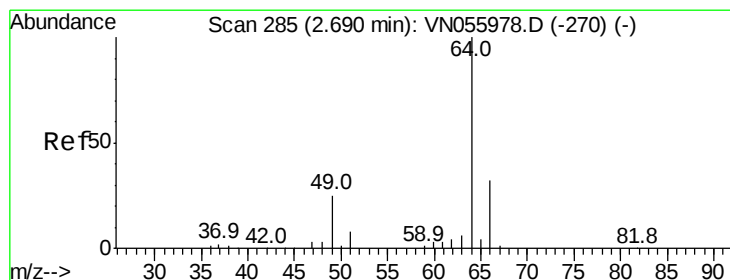
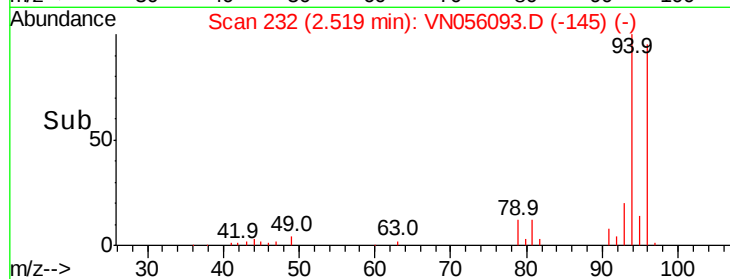
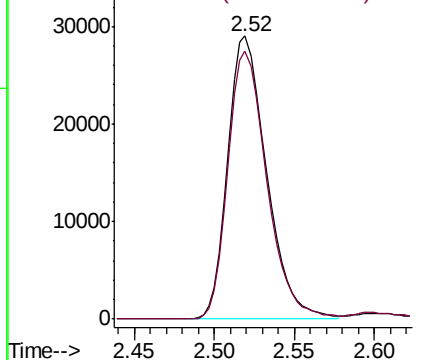
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.539 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.02 min

Lab File: VN056093.D

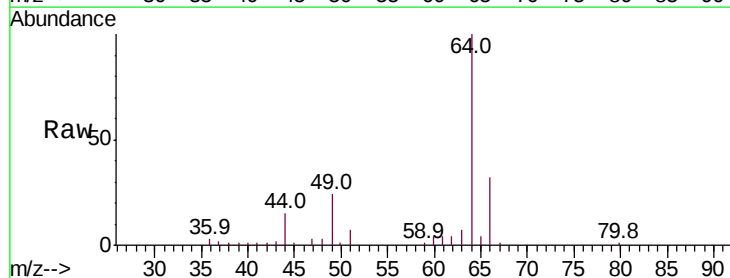
Acq: 7 Jun 2019 12:26

Tgt Ion: 64 Resp: 41329

Ion Ratio Lower Upper

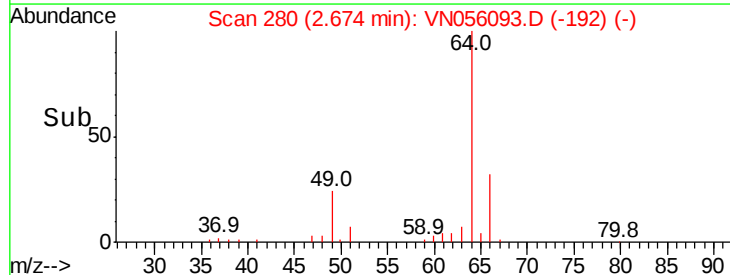
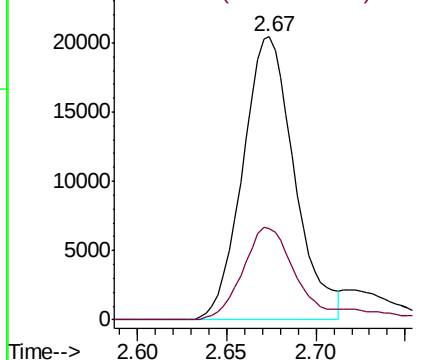
64 100

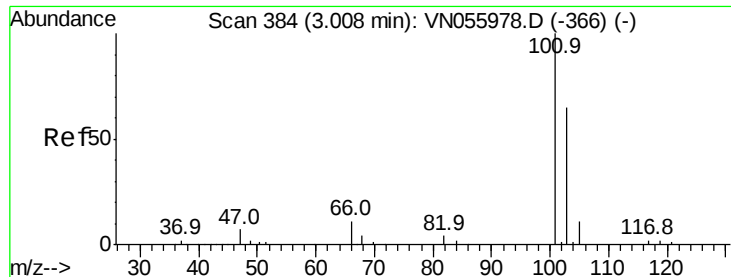
66 32.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

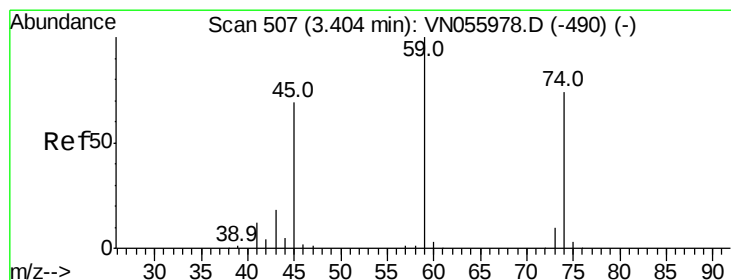
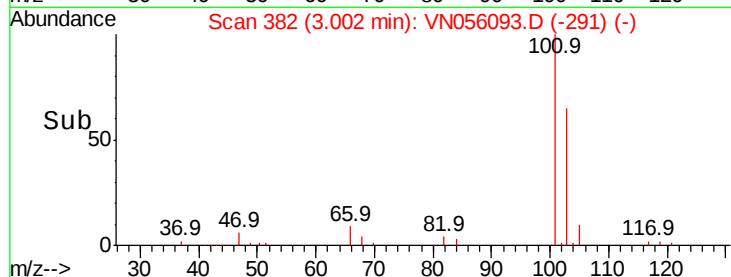
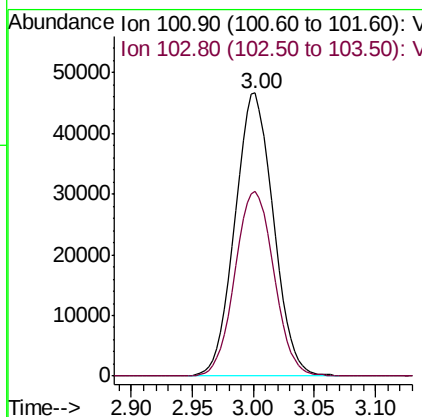
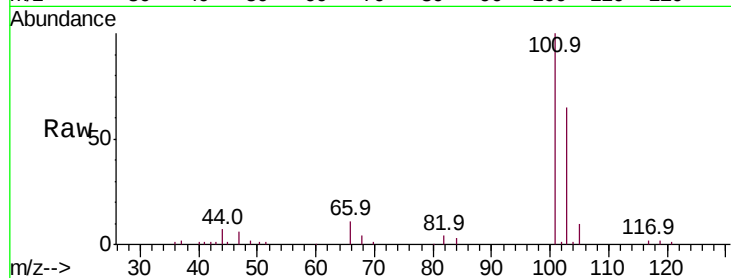
Trichlorofluoromethane
 Concen: 19.665 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
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 ClientSampleId :
 VN0608WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

Manual Integrations
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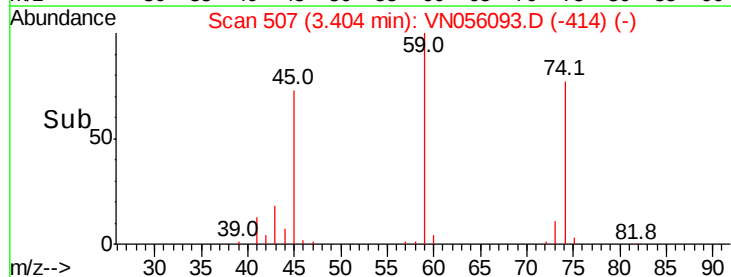
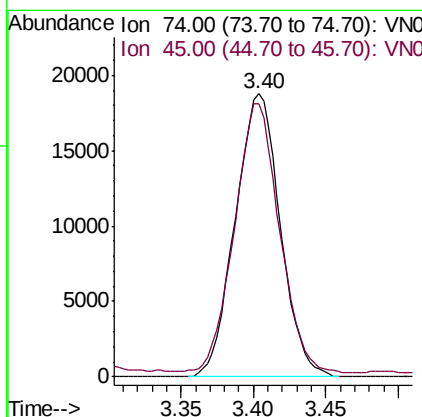
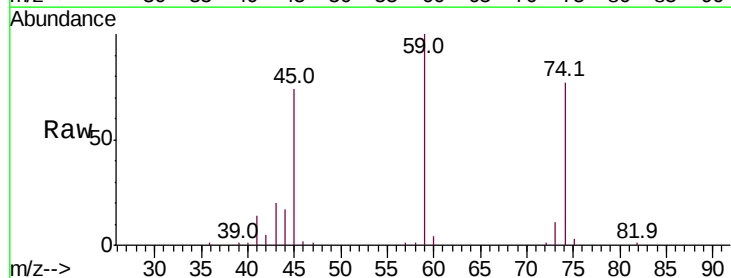
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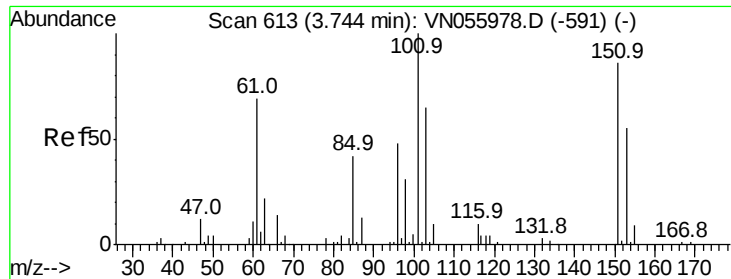


#8

Diethyl Ether
 Concen: 18.961 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.156 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

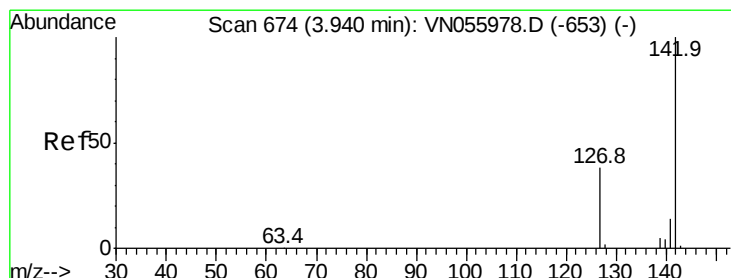
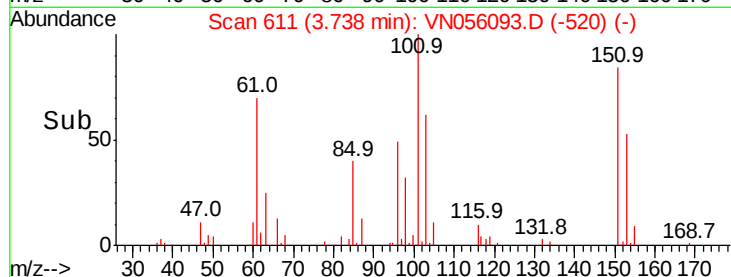
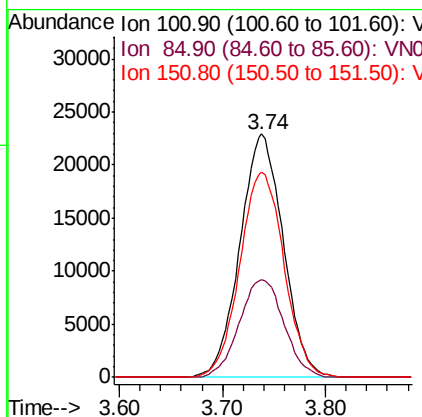
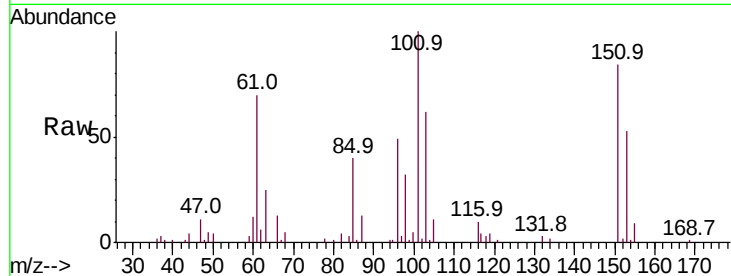
ClientSampleId :

VN0608WBS02

Tot Ion:	101	Resp:	66678
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.2
151	86.3	69.4	104.2

Manual Integrations
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6/10/2019 11:27:06 AM



#10

Methyl Iodide

Concen: 16.178 ug/l

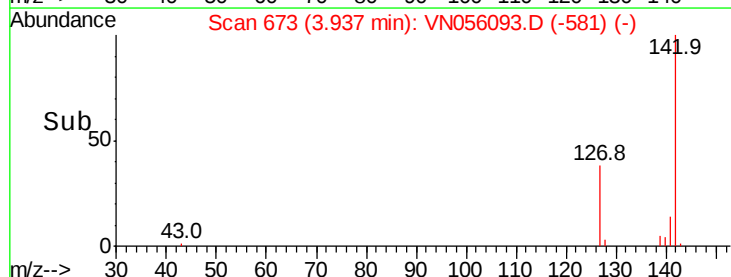
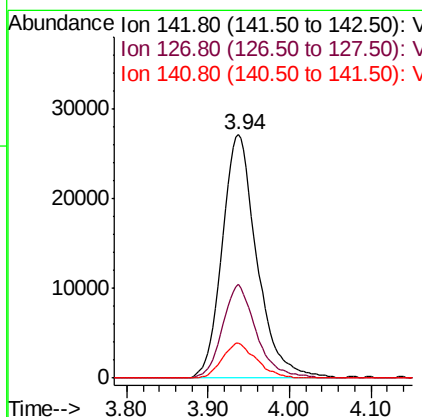
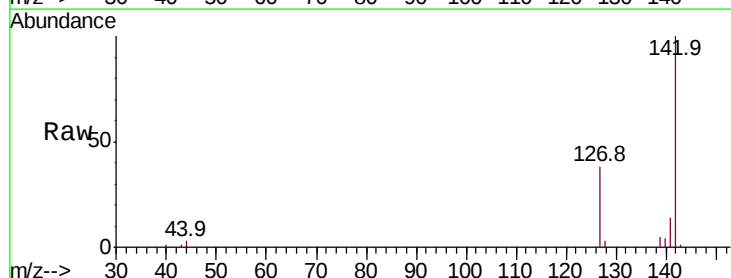
RT: 3.94 min Scan# 673

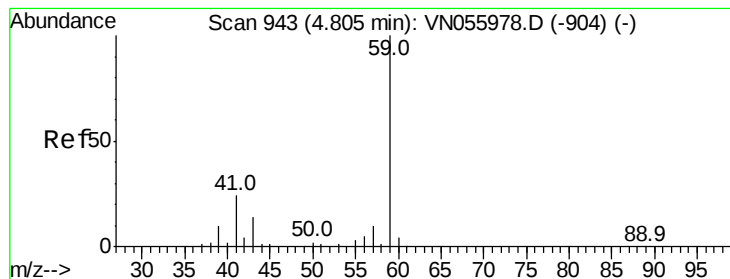
Delta R.T. -0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion:	142	Resp:	81030
Ion Ratio	Lower	Upper	
142	100		
127	37.4	31.0	46.4
141	14.2	11.4	17.0





#11

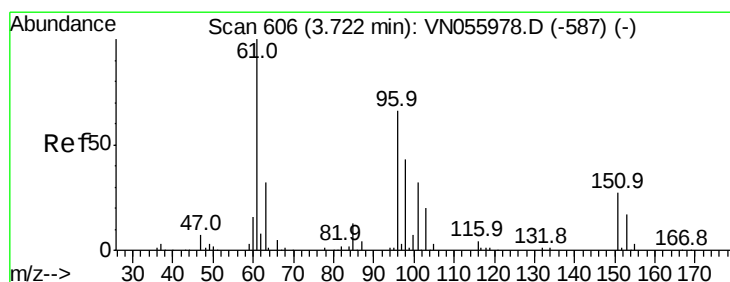
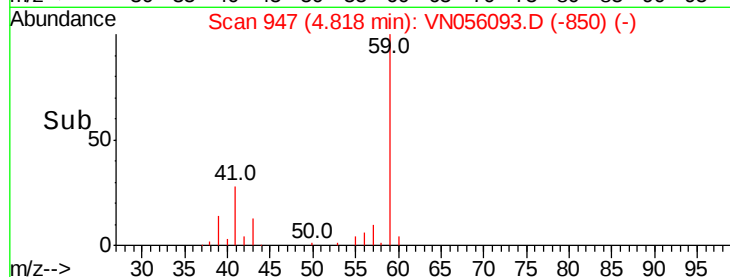
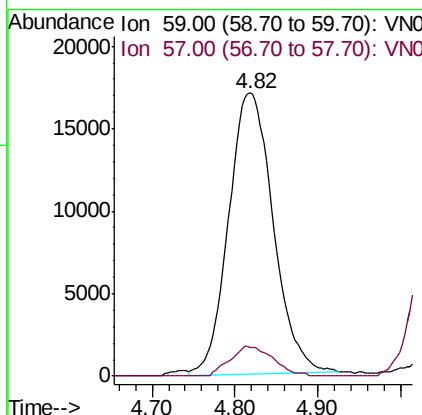
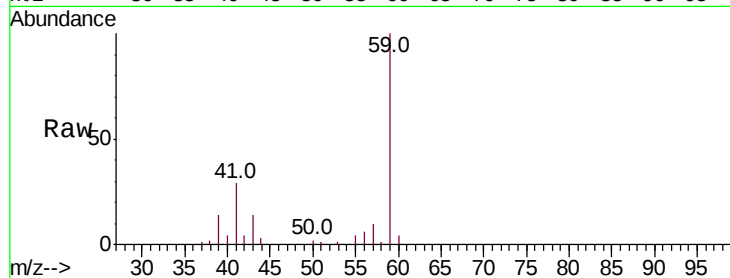
Tert butyl alcohol
Concen: 98.764 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	10.3		7.8	11.6

Manual Integrations
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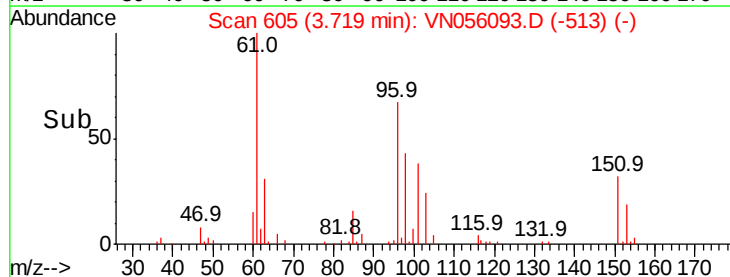
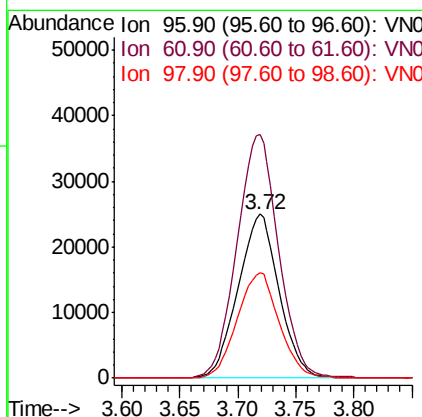
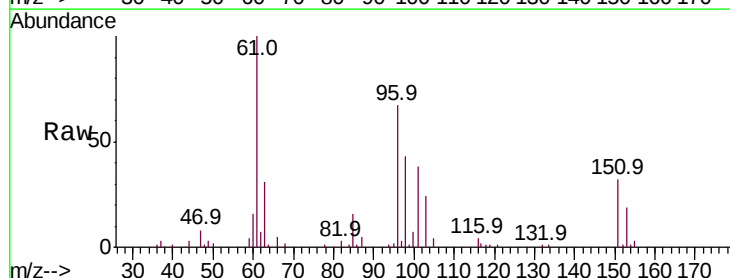
MMDadoda
6/10/2019 11:27:06 AM

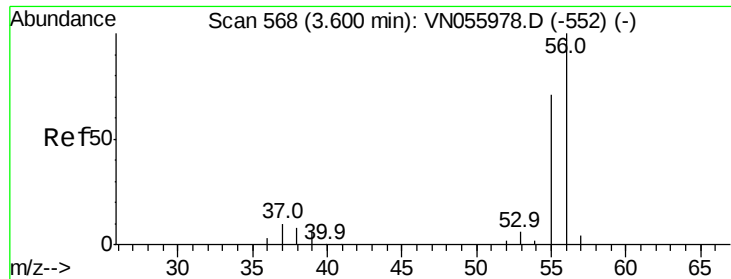


#12

1,1-Dichloroethene
Concen: 19.571 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	148.7		123.2	184.8
98	64.5		50.4	75.6





#13

Acrolein

Concen: 69.783 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion: 56 Resp: 12998

Ion Ratio Lower Upper

56 100

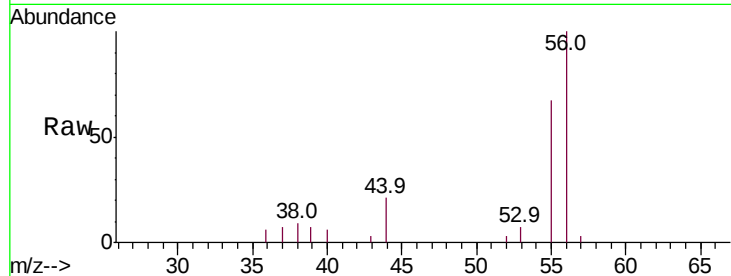
55 69.4 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

6000

5000

4000

3000

2000

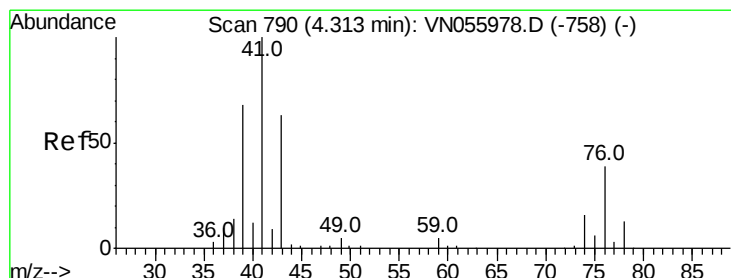
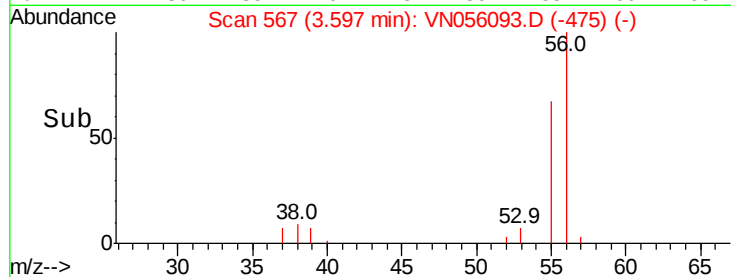
1000

0

Time-->

3.50 3.55 3.60 3.65

3.60



#14

Allyl chloride

Concen: 19.044 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

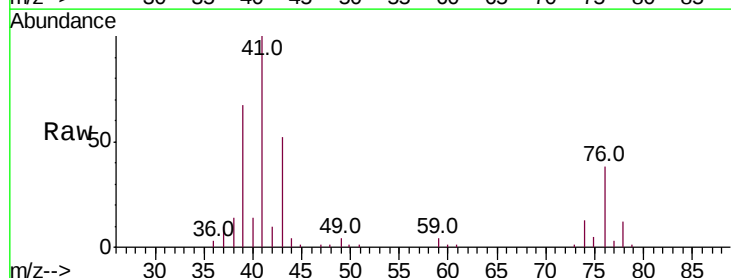
Tgt Ion: 41 Resp: 94354

Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

76 34.3 28.2 42.2



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

40000

30000

20000

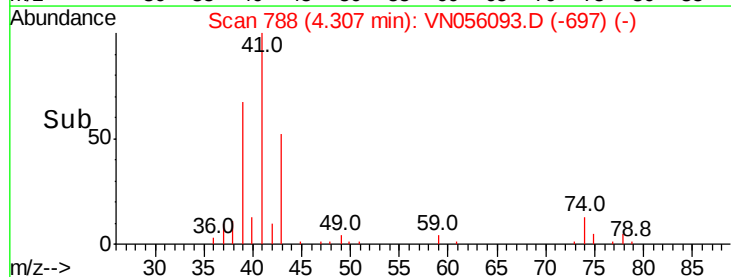
10000

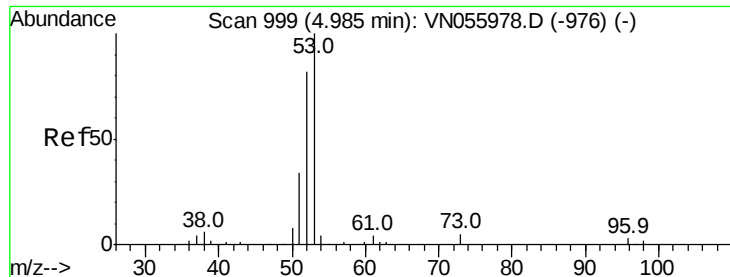
0

Time-->

4.20 4.30 4.40

4.31





#15

Acrylonitrile

Concen: 111.133 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

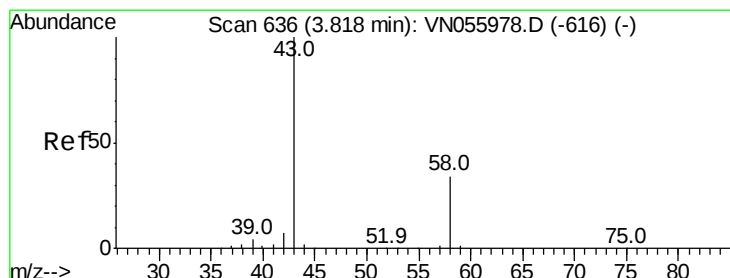
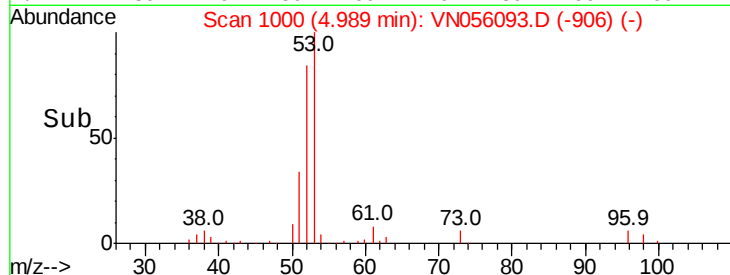
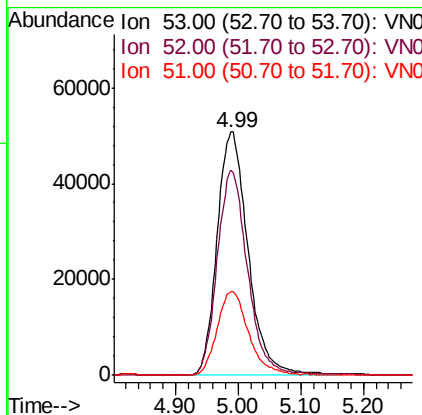
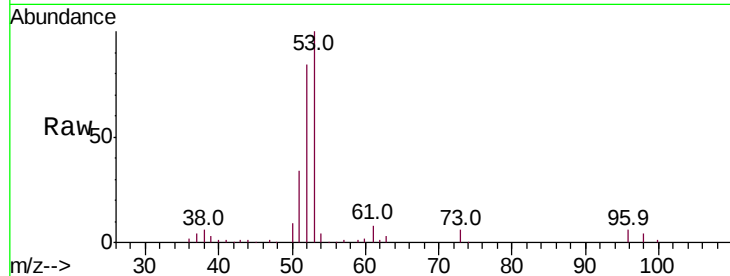
ClientSampleId :

VN0608WBS02

Tot Ion:	53	Resp:	174716
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.8
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 100.727 ug/l

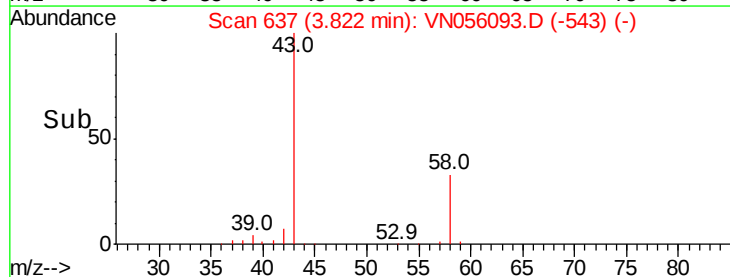
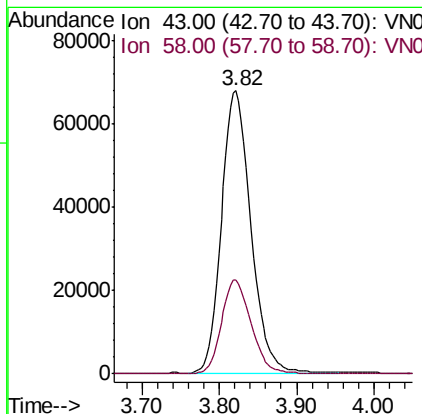
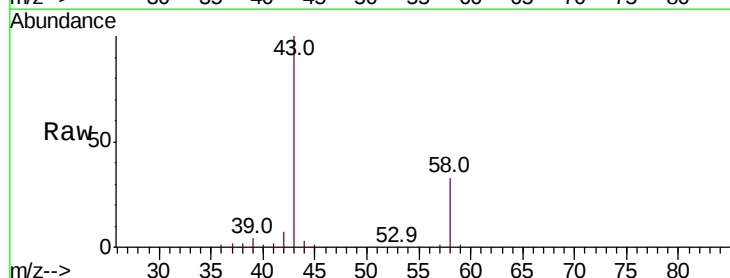
RT: 3.82 min Scan# 637

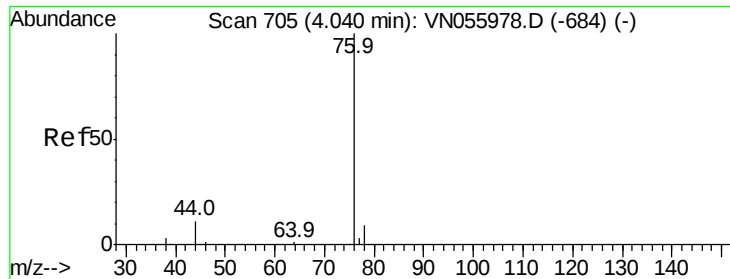
Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion:	43	Resp:	178785
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.6	39.8





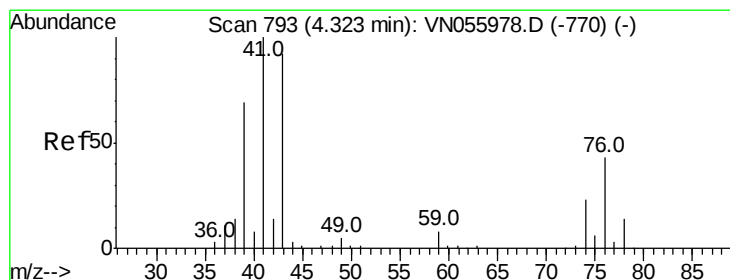
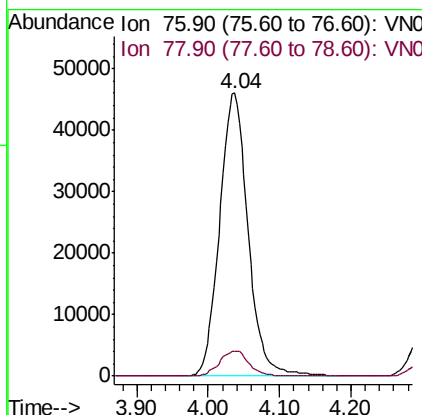
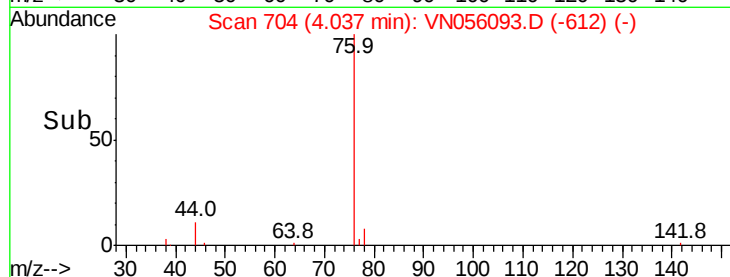
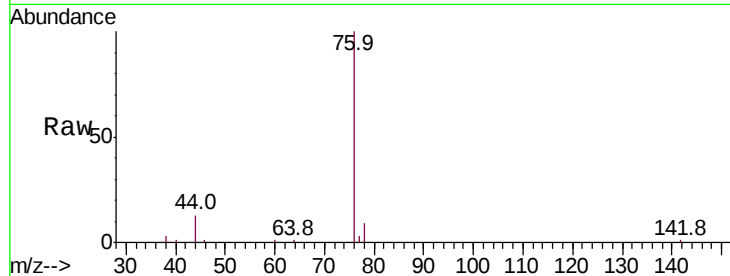
#17
Carbon Disulfide
Concen: 16.985 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

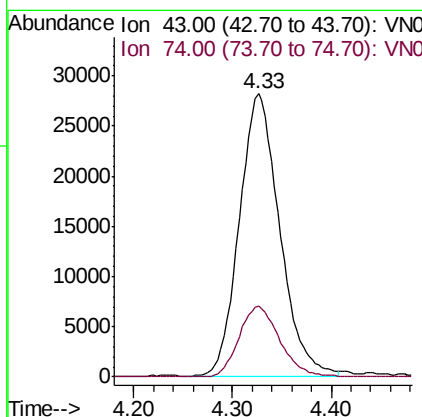
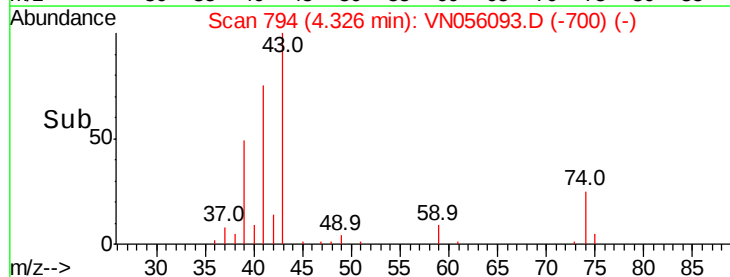
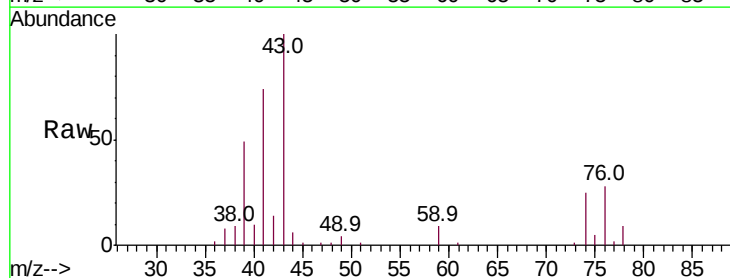
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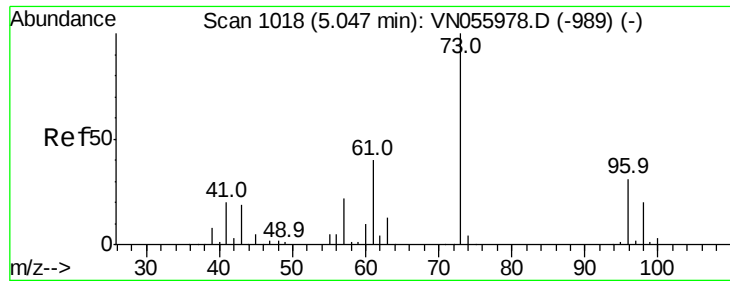
MMDadoda
6/10/2019 11:27:06 AM



#18
Methyl Acetate
Concen: 22.711 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.3	28.9





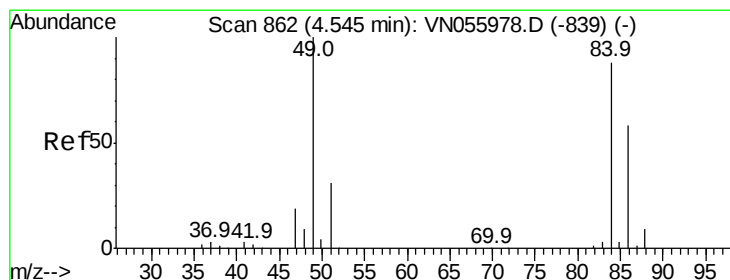
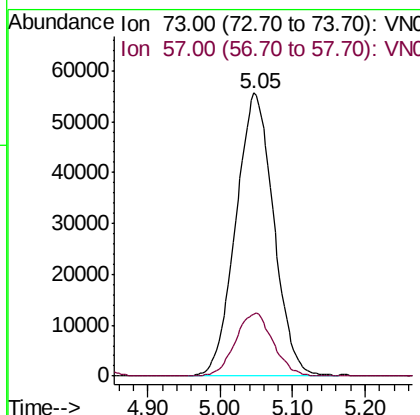
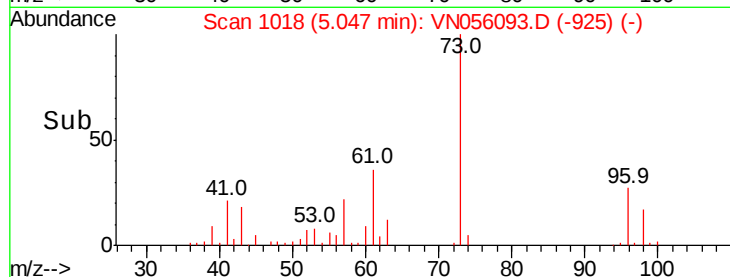
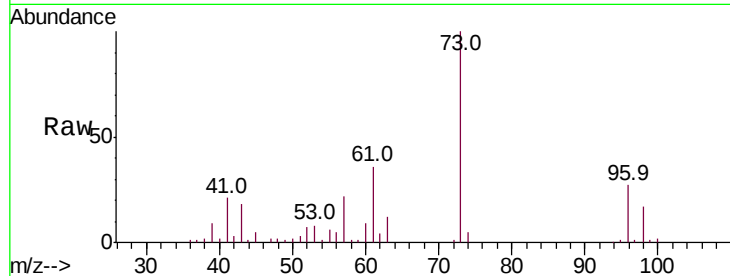
#19
Methvl tert-butvl Ether
Concen: 20.167 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion: 73 Resp: 201699
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8

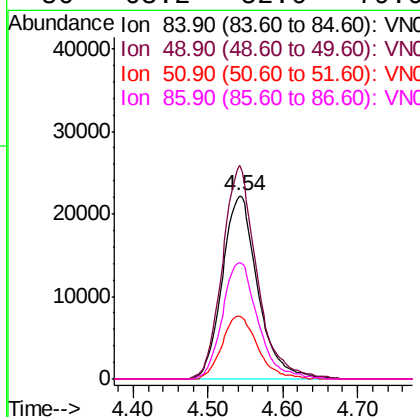
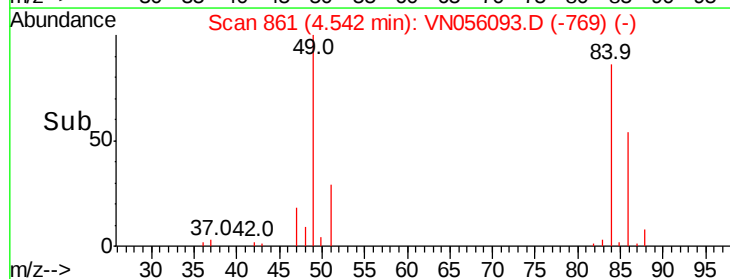
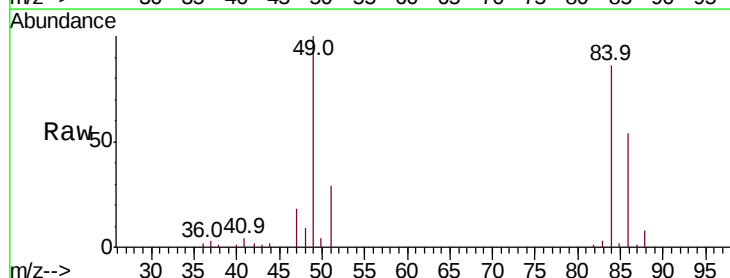
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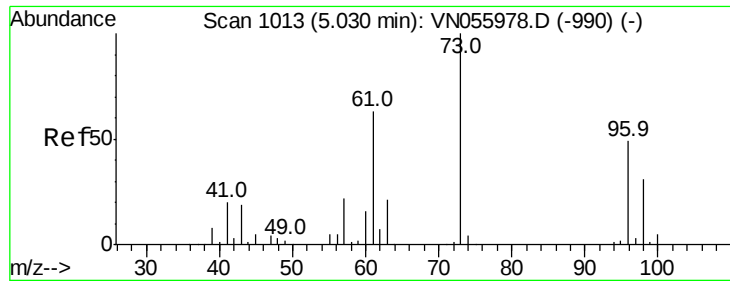
MMDadoda
6/10/2019 11:27:06 AM



#20
Methylene Chloride
Concen: 20.030 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 84 Resp: 73248
Ion Ratio Lower Upper
84 100
49 116.5 93.5 140.3
51 34.2 28.6 43.0
86 63.2 52.6 79.0





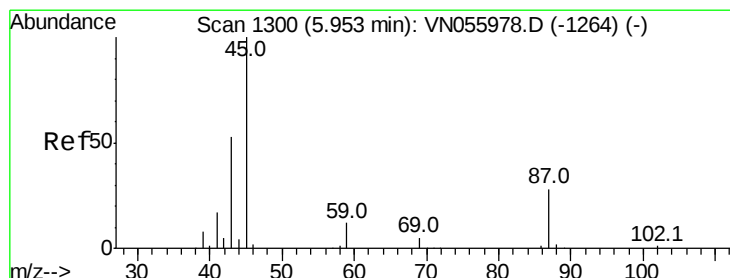
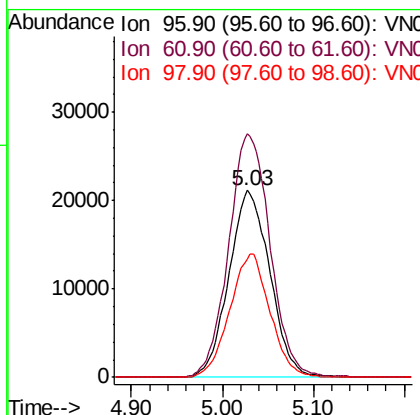
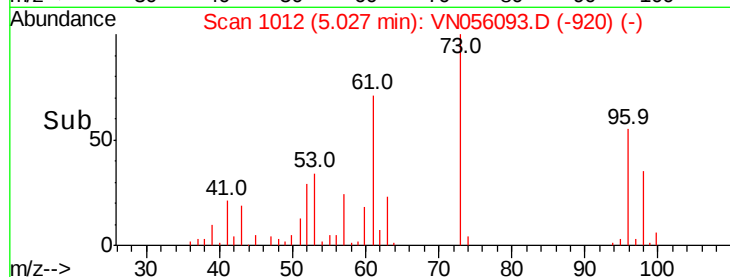
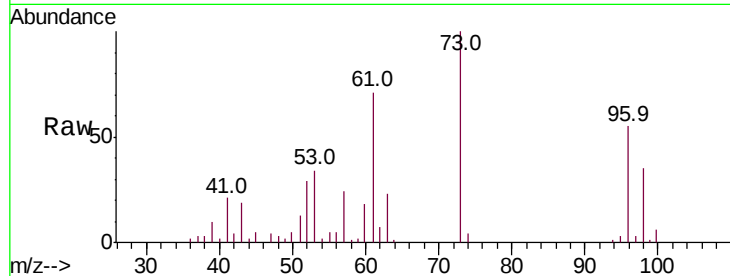
#21
trans-1,2-Dichloroethene
Concen: 19.666 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	107.8	161.8
98	63.5	49.8	74.8

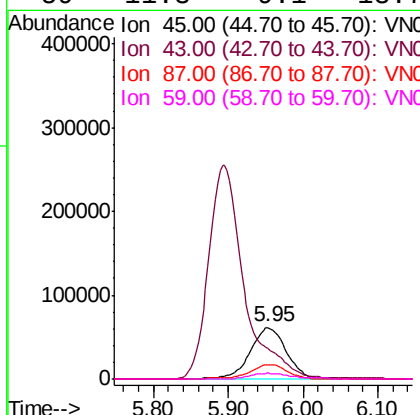
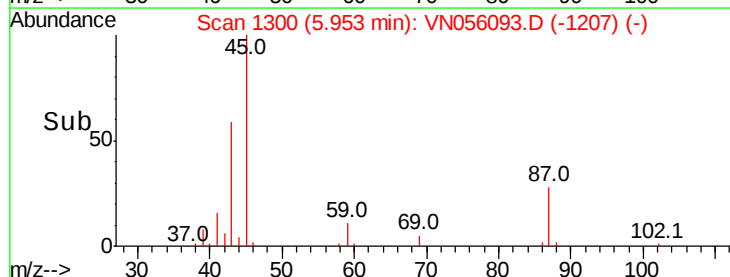
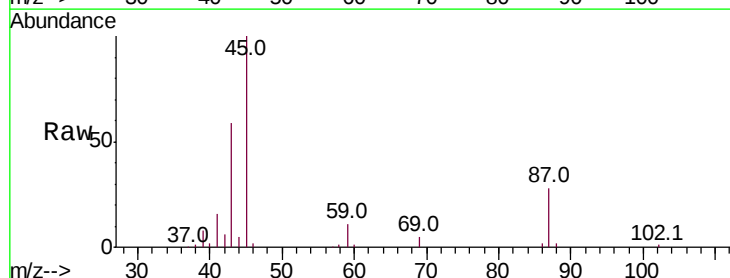
Manual Integrations
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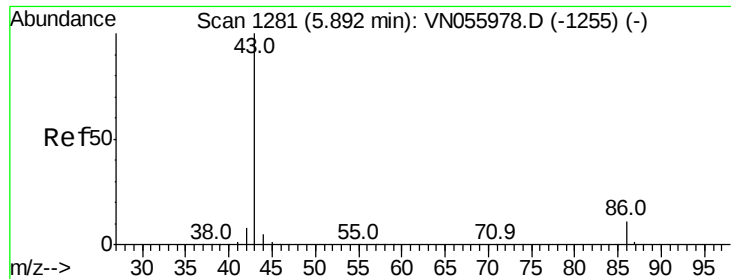
MMDadoda
6/10/2019 11:27:06 AM



#22
Diisopropyl ether
Concen: 20.212 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	45.0	67.6
87	28.0	22.2	33.4
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 104.562 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion: 43 Resp: 843354

Ion Ratio Lower Upper

43 100

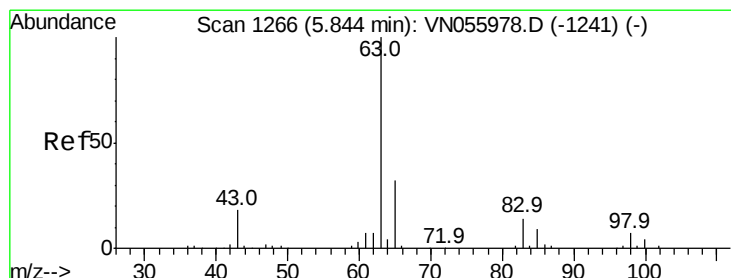
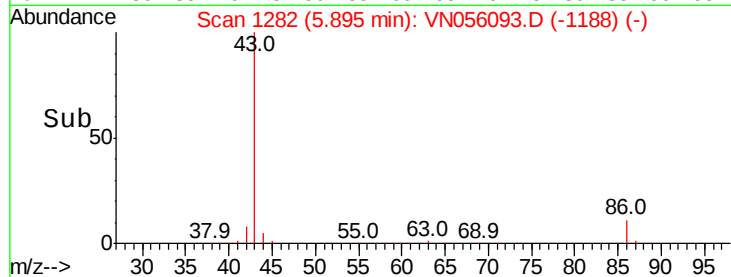
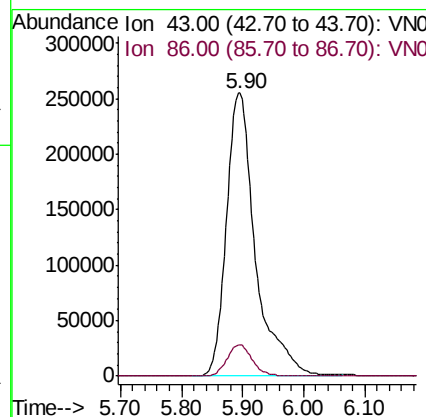
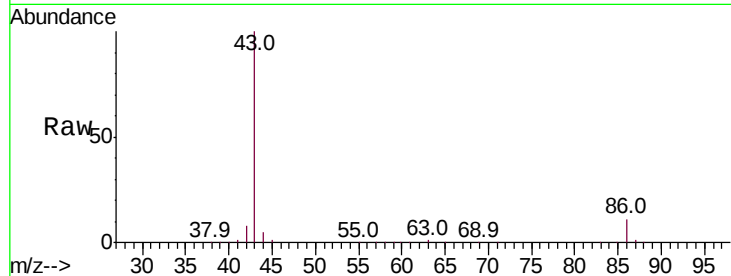
86 11.0 8.6 13.0

Manual Integrations

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MMDadoda

6/10/2019 11:27:06 AM



#24

1,1-Dichloroethane

Concen: 20.209 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

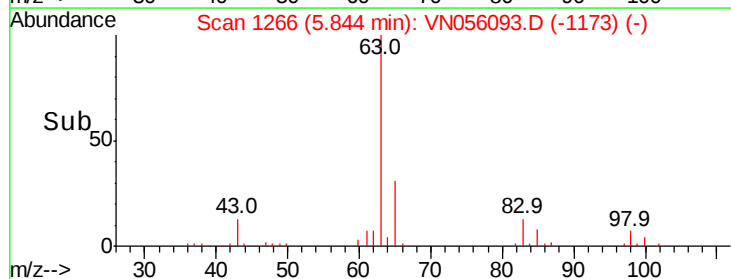
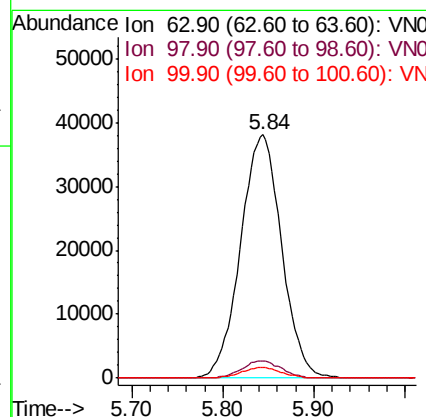
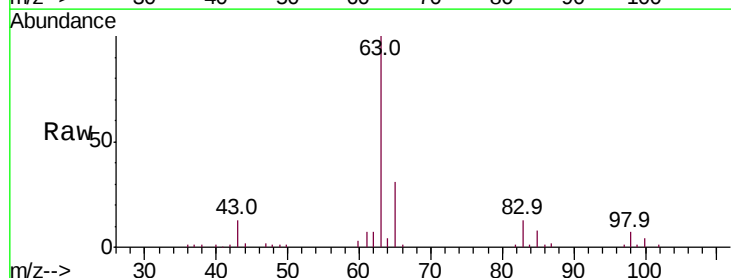
Tgt Ion: 63 Resp: 119394

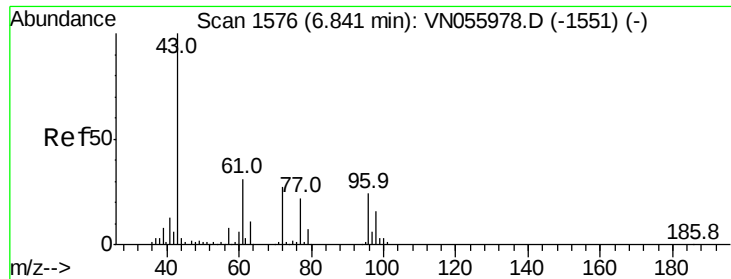
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.4 2.2 6.6





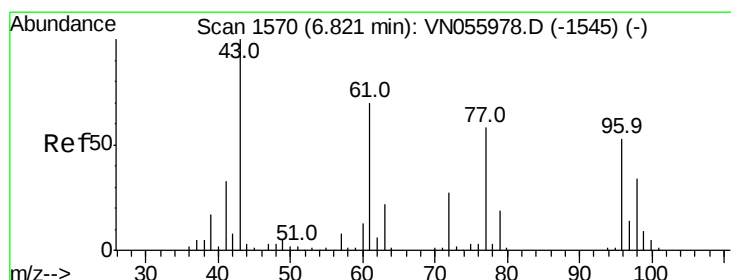
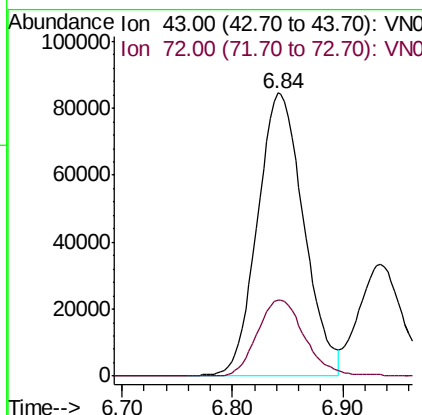
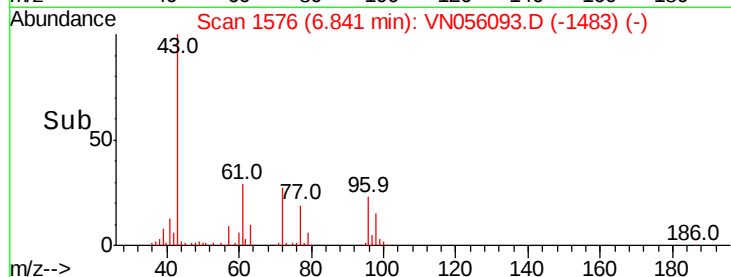
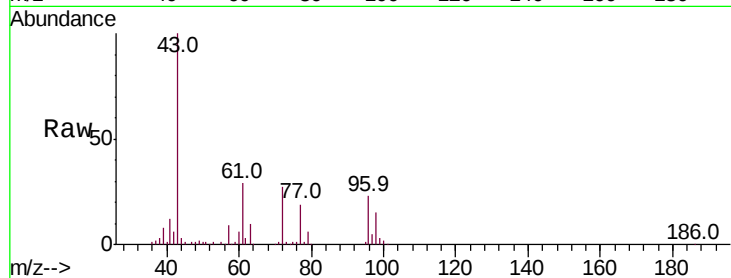
#25
2-Butanone
Concen: 109.301 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion: 43 Resp: 245119
Ion Ratio Lower Upper
43 100
72 26.9 21.9 32.9

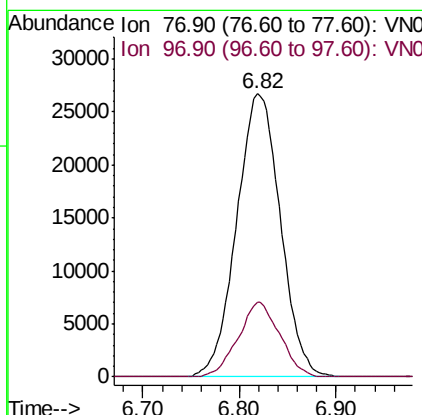
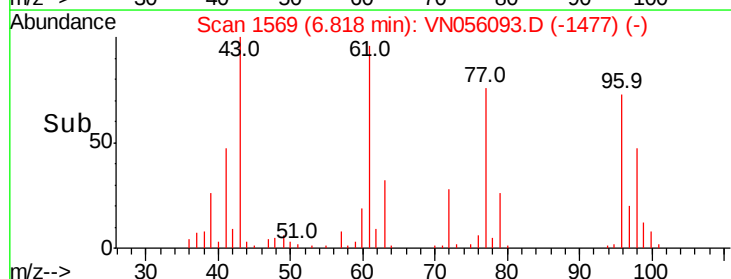
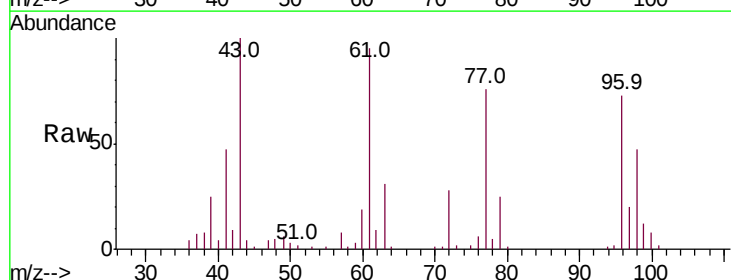
Manual Integrations
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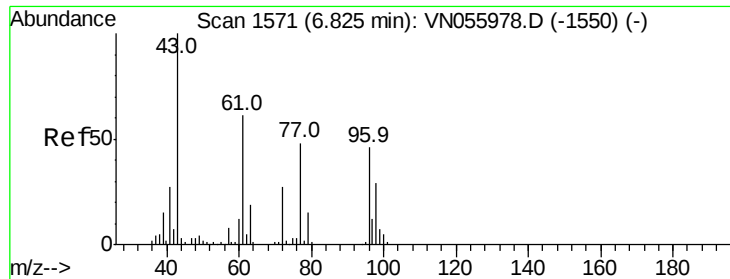
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#26
2,2-Dichloropropane
Concen: 18.194 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 77 Resp: 83877
Ion Ratio Lower Upper
77 100
97 25.0 12.2 36.6





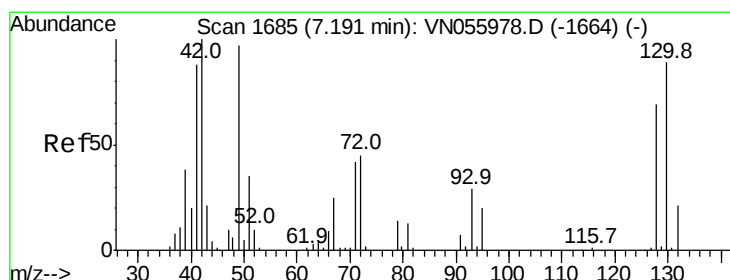
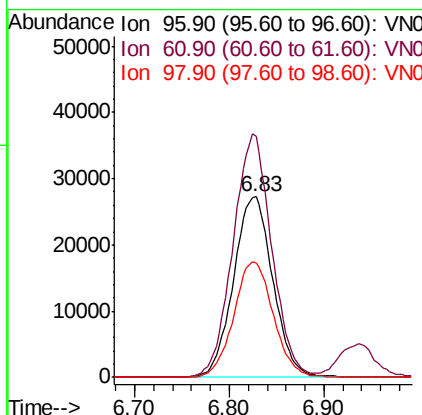
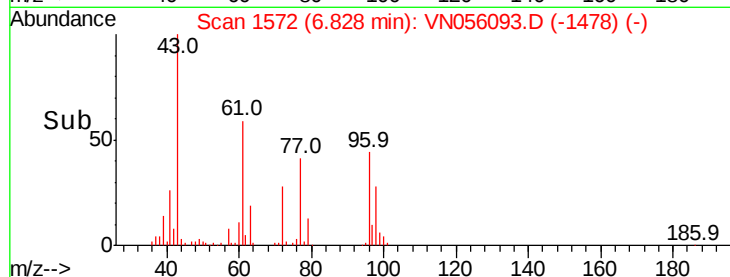
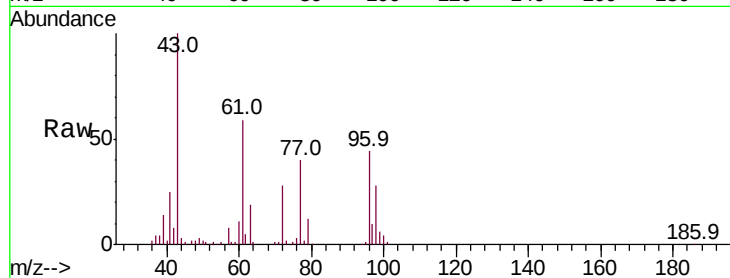
#27
 cis-1,2-Dichloroethene
 Concen: 19.944 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.5	0.0	275.8	
98	64.3	0.0	128.4	

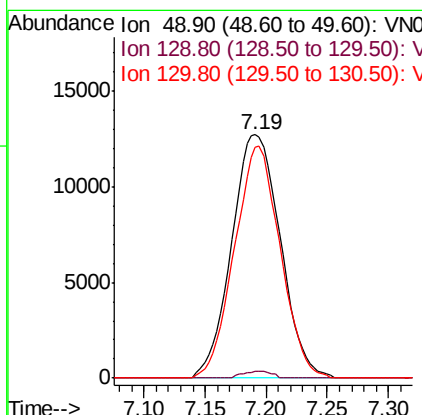
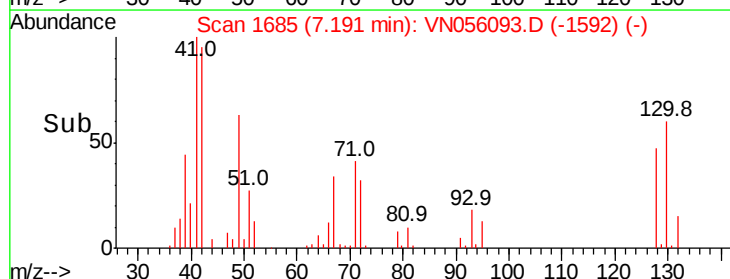
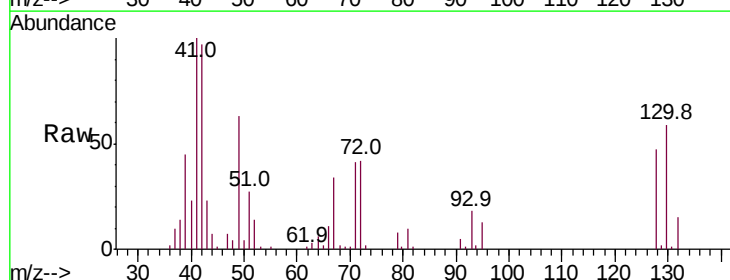
Manual Integrations
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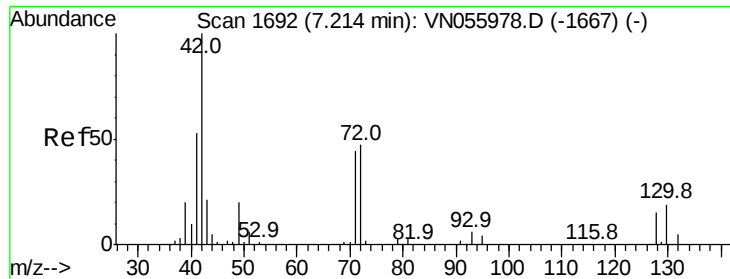
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 6/10/2019 11:27:06 AM



#28
 Bromochloromethane
 Concen: 12.596 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	4.4	
130	89.5	71.2	106.8	





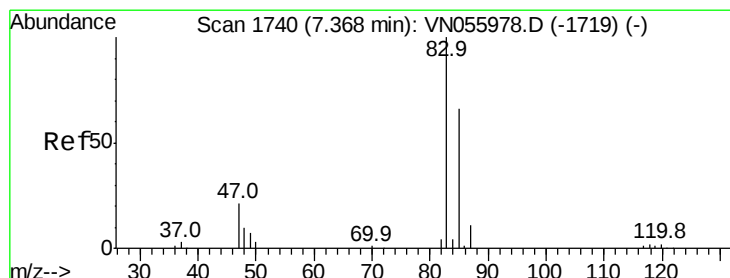
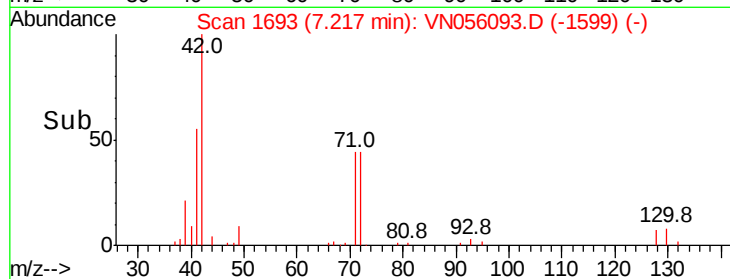
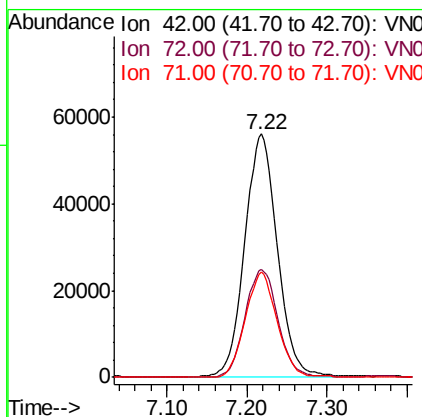
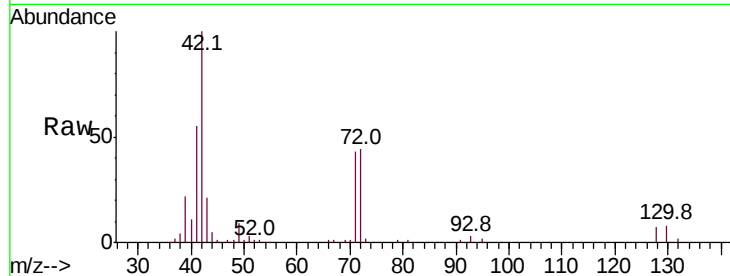
#29
Tetrahydrofuran
Concen: 112.537 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.9	53.9
71	42.1	34.0	51.0

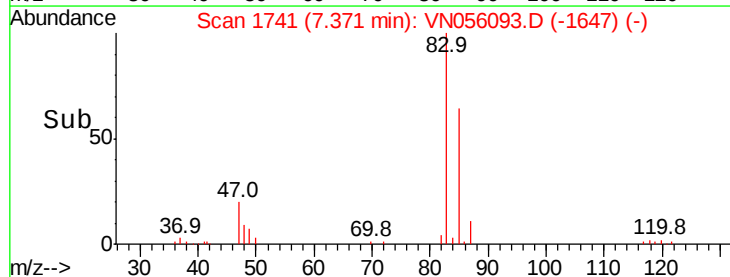
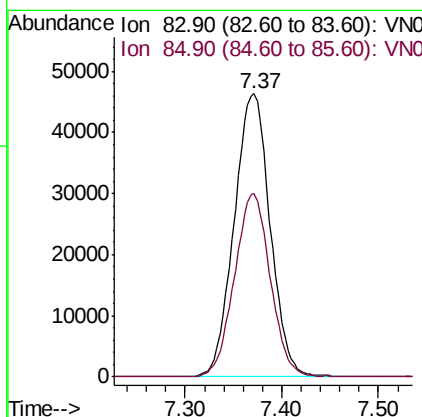
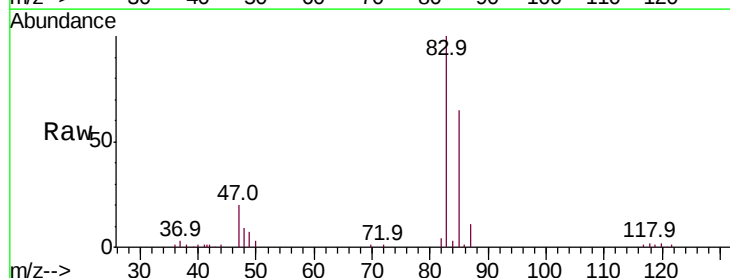
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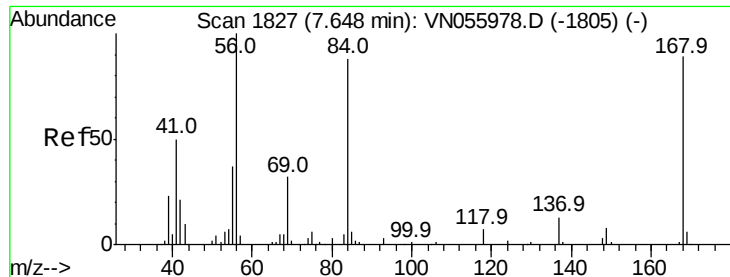
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#30
Chloroform
Concen: 20.179 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





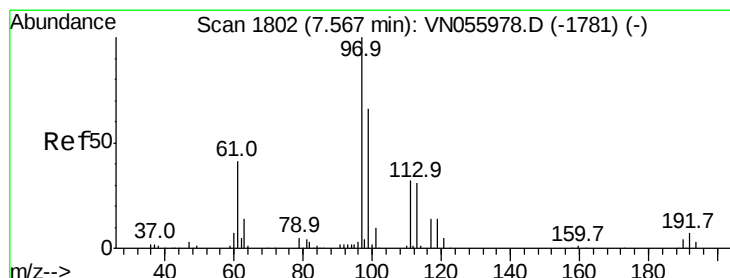
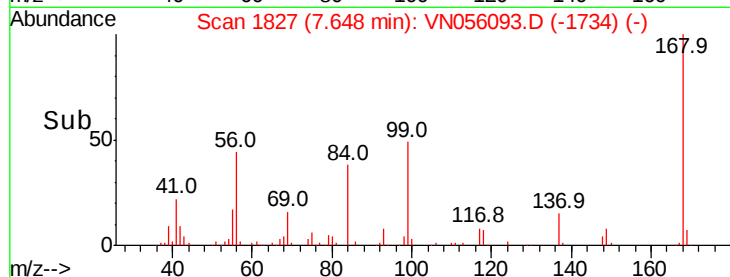
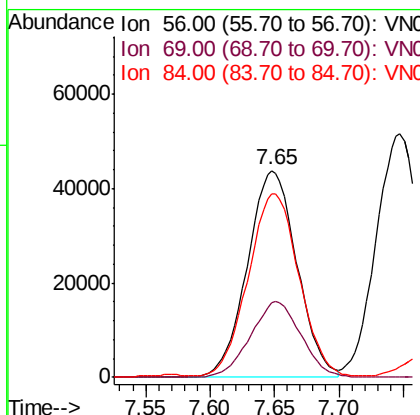
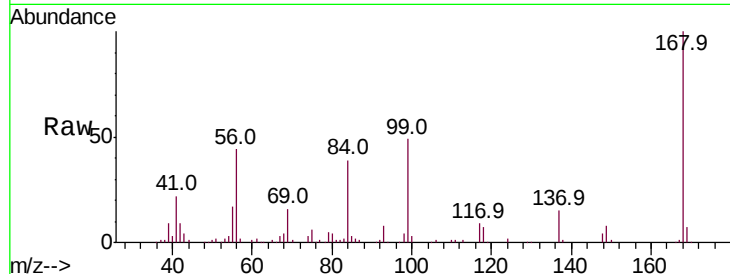
#31
Cyclohexane
Concen: 19.890 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.6	38.4
84	87.6	67.4	101.0

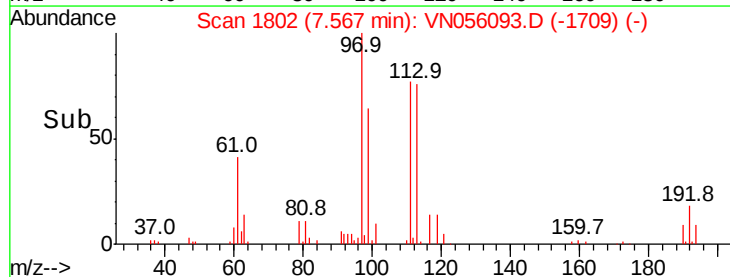
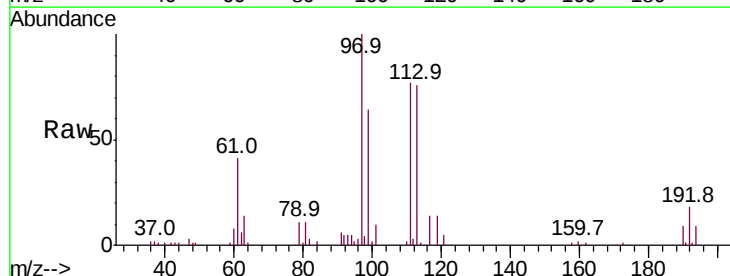
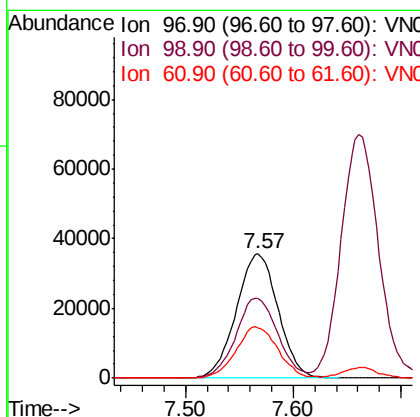
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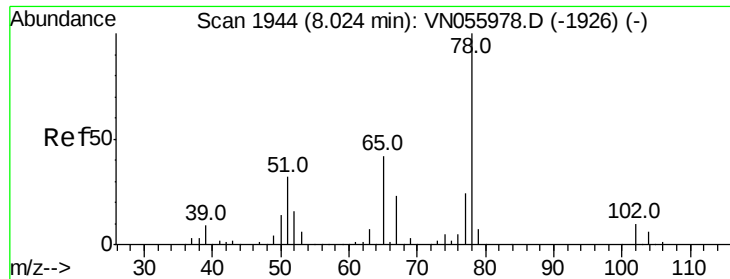
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#32
1,1,1-Trichloroethane
Concen: 19.374 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	41.4	32.9	49.3





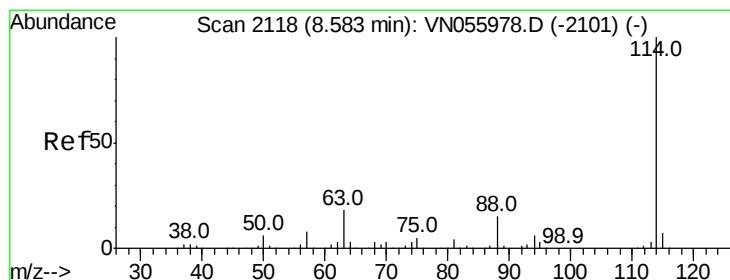
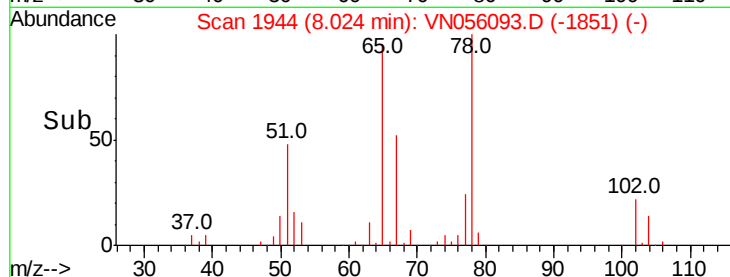
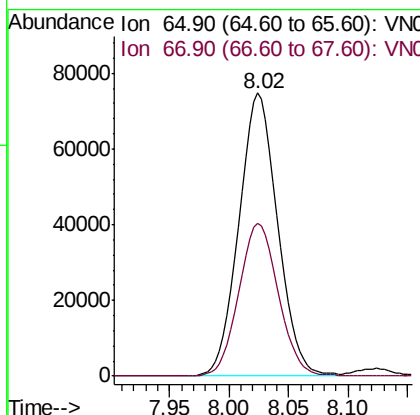
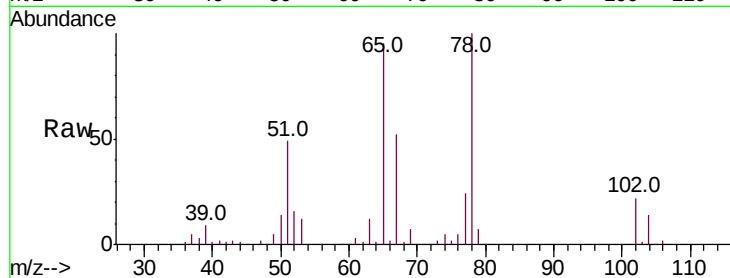
#33
 1,2-Dichloroethane-d4
 Concen: 45.520 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	109.2	

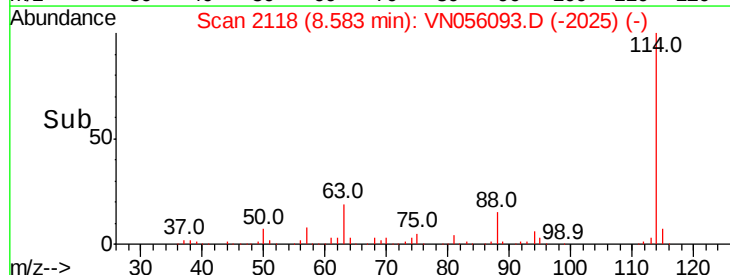
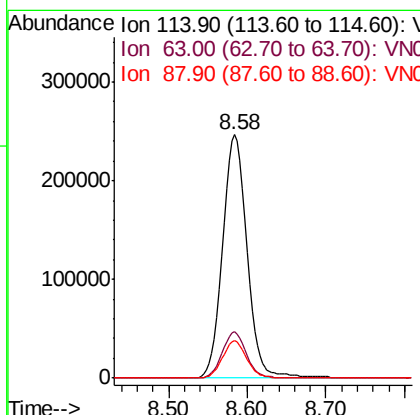
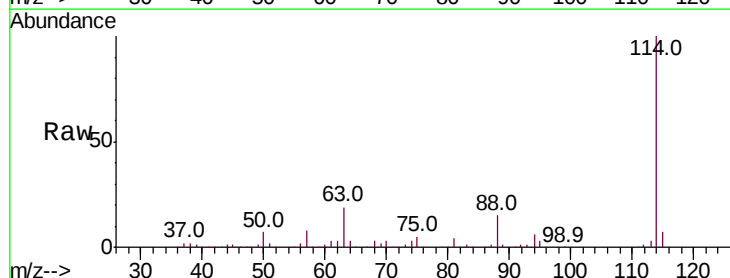
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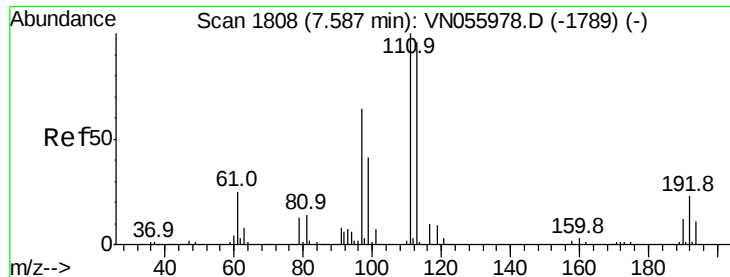
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	39.2	
88	15.2	0.0	31.0	





#35

Dibromofluoromethane

Concen: 46.767 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

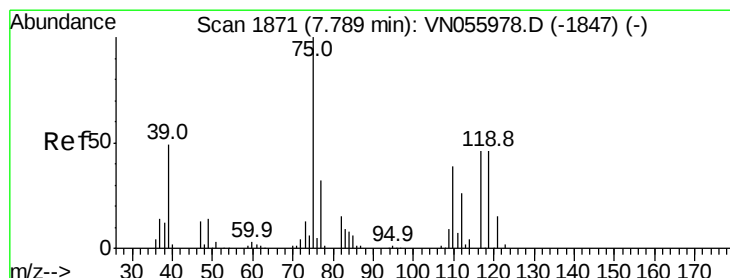
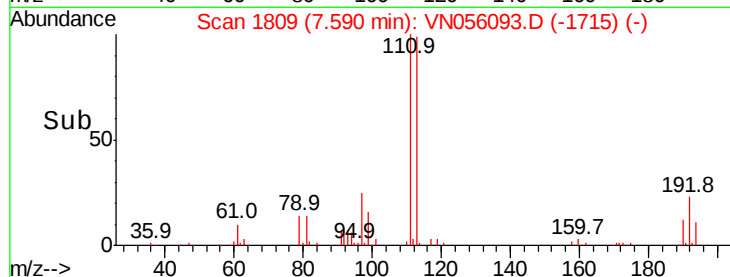
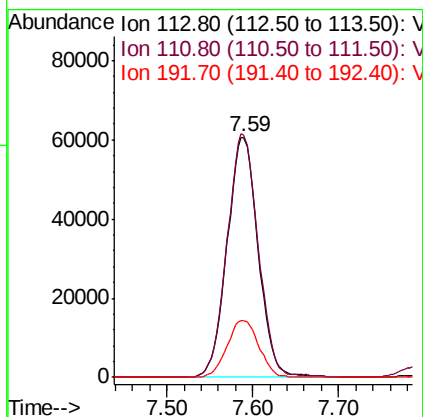
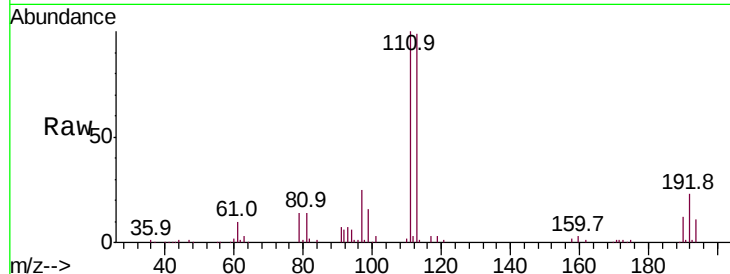
ClientSampled :

VN0608WBS02

Tot Ion:	113	Resp:	151837
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.9	122.9
192	24.1	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 19.608 ug/l

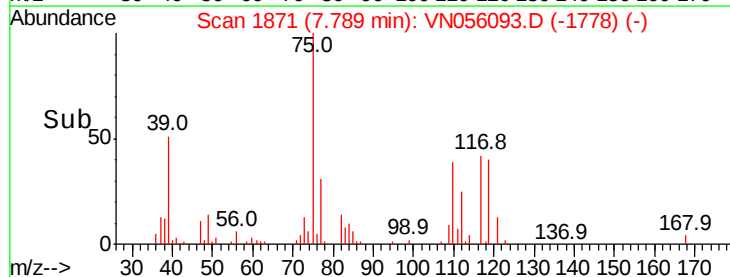
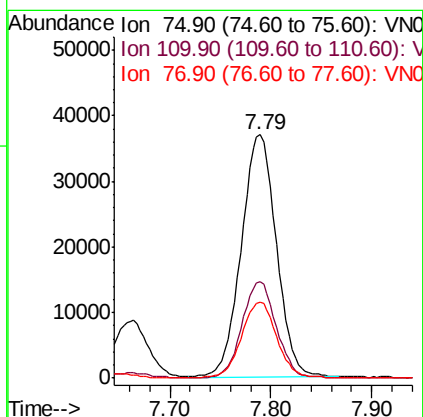
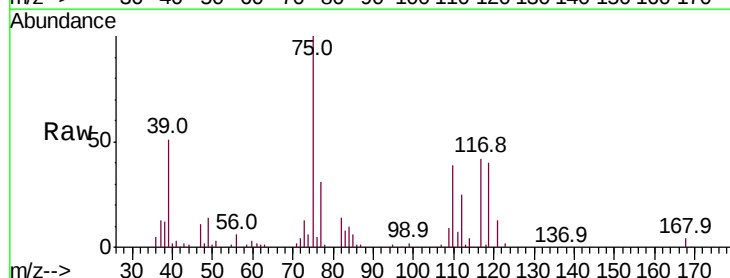
RT: 7.79 min Scan# 1871

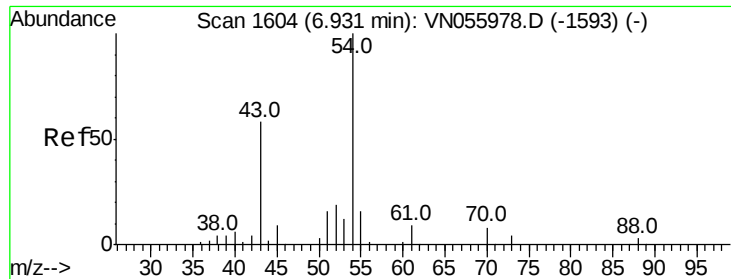
Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion:	75	Resp:	89219
Ion Ratio	Lower	Upper	
75	100		
110	38.7	19.0	57.0
77	31.6	25.1	37.7





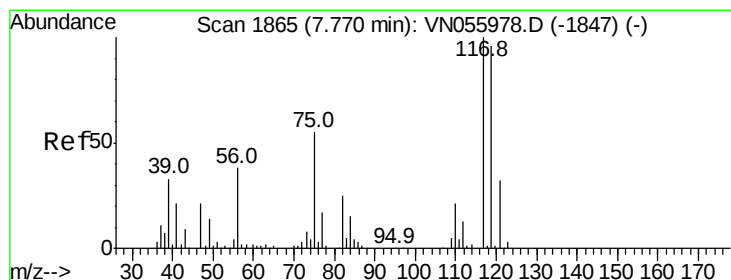
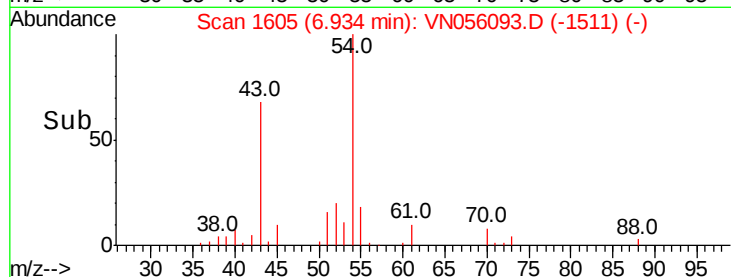
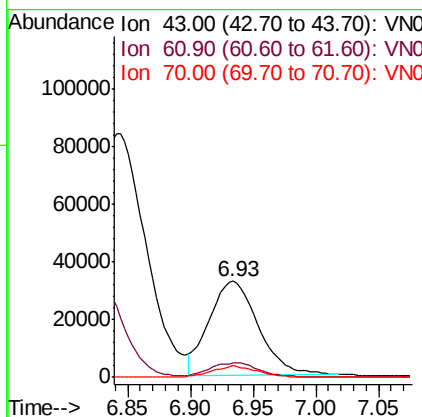
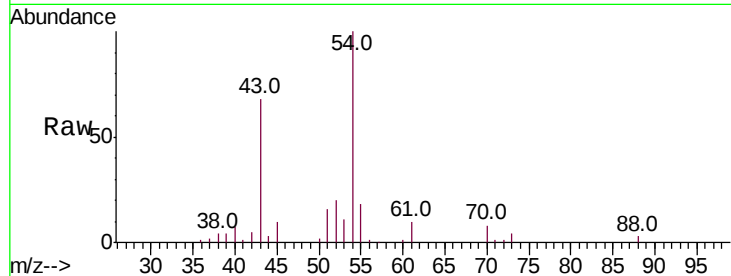
#37
Ethyl Acetate
Concen: 22.216 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.2	18.2
70	11.0	8.9	13.3

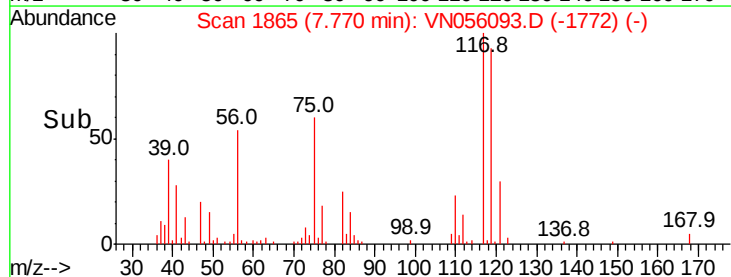
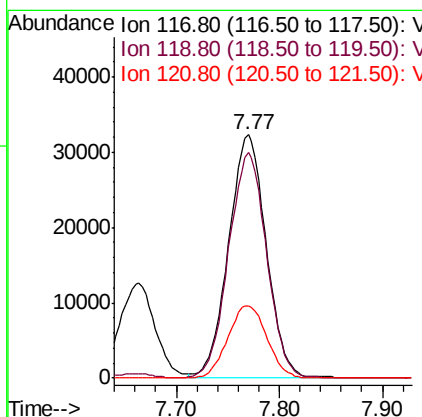
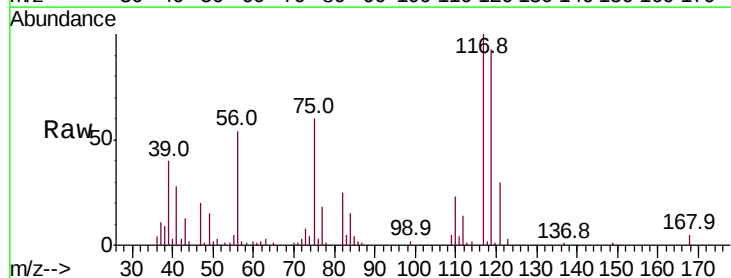
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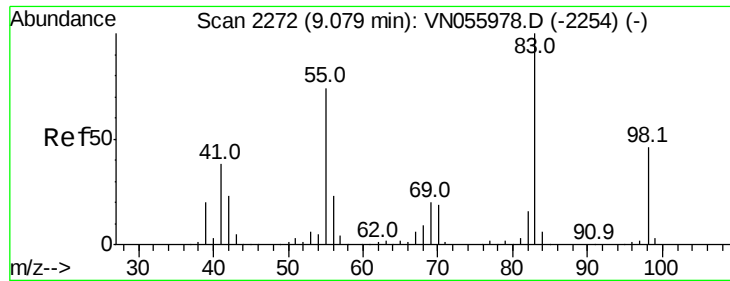
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#38
Carbon Tetrachloride
Concen: 19.583 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	79.0	118.6
121	29.6	24.7	37.1





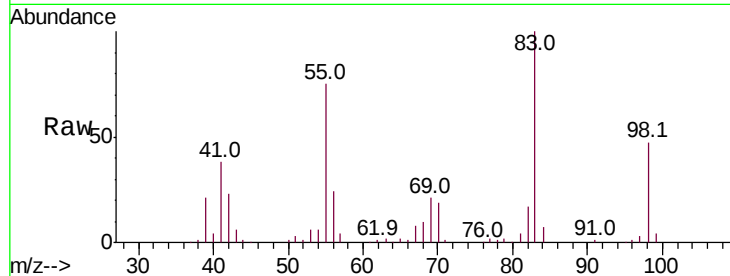
#39
Methvlcvclohexane
Concen: 20.632 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

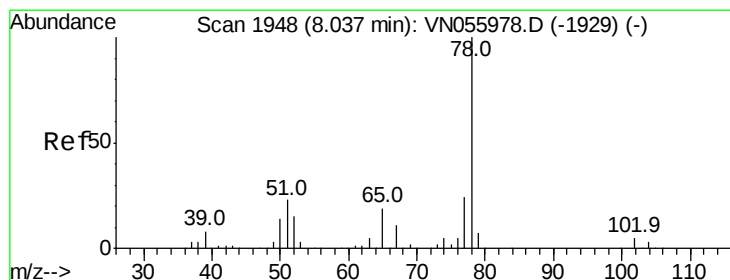
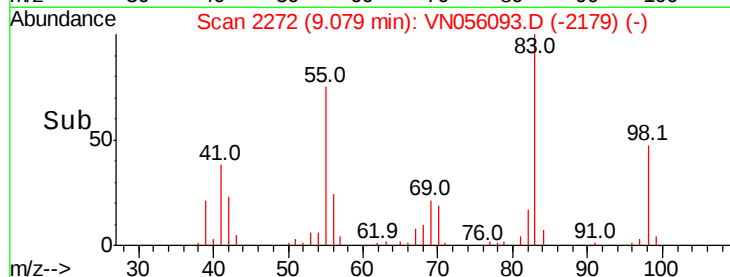
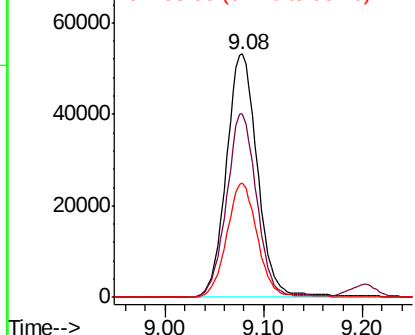
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	59.3	88.9
98	46.9	36.6	54.8

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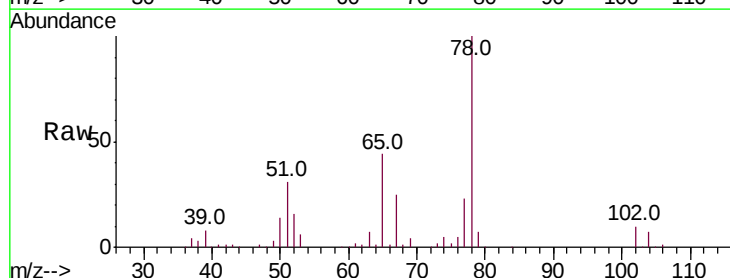


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

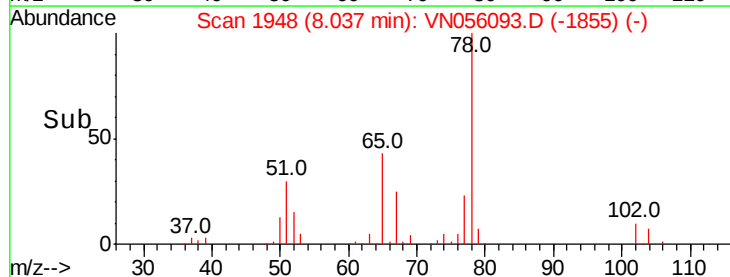
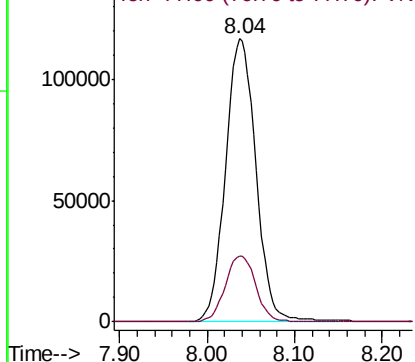


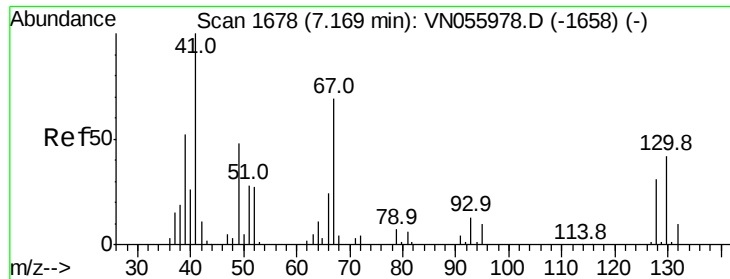
#40
Benzene
Concen: 20.396 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





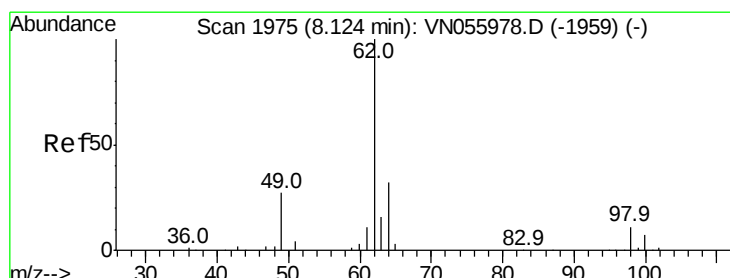
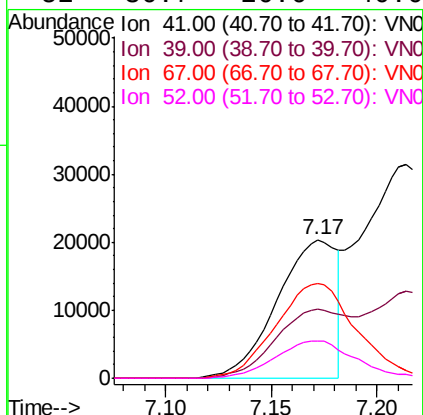
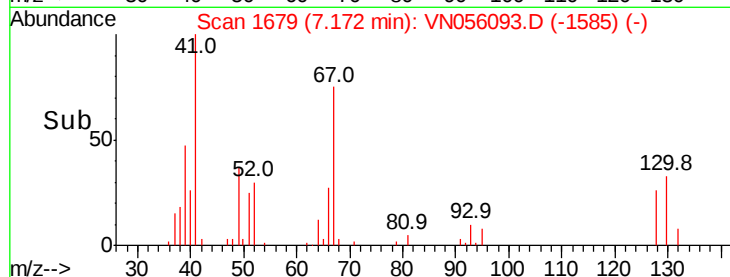
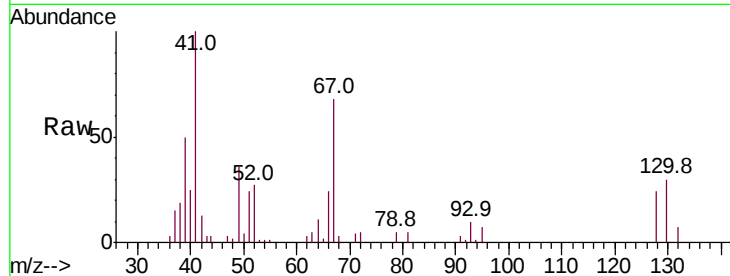
#41
Methacrylonitrile
Concen: 21.519 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.8	45.6	68.4
67	93.7	67.7	101.5
52	36.7	26.6	40.0

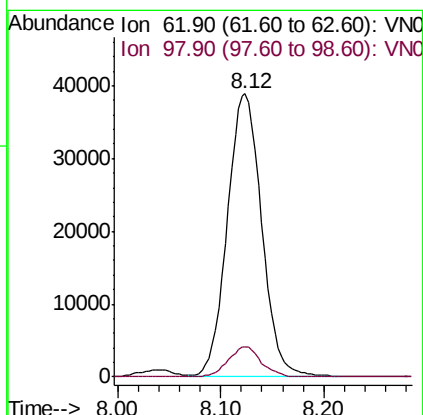
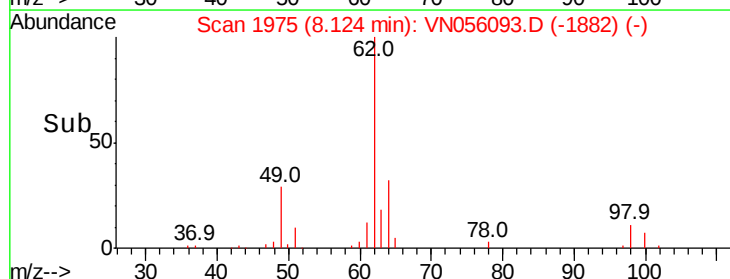
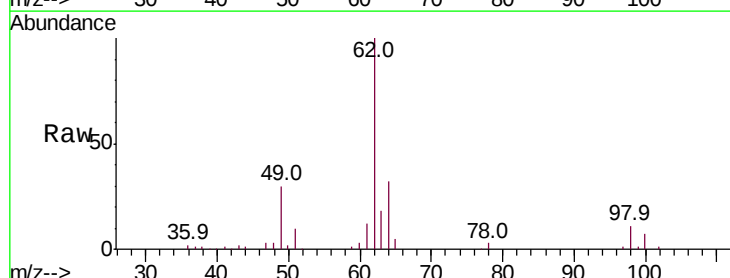
Manual Integrations
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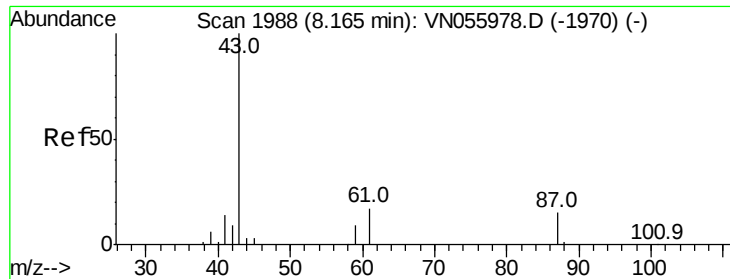
MMDadoda
6/10/2019 11:27:06 AM



#42
1,2-Dichloroethane
Concen: 20.343 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.194 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

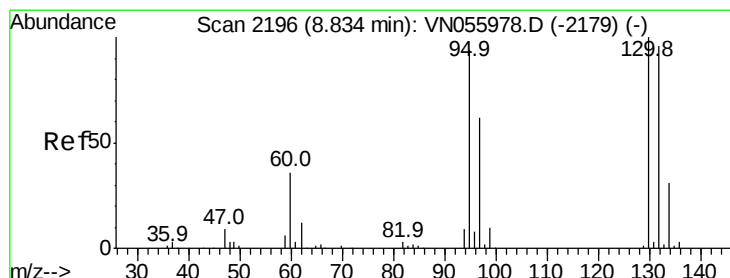
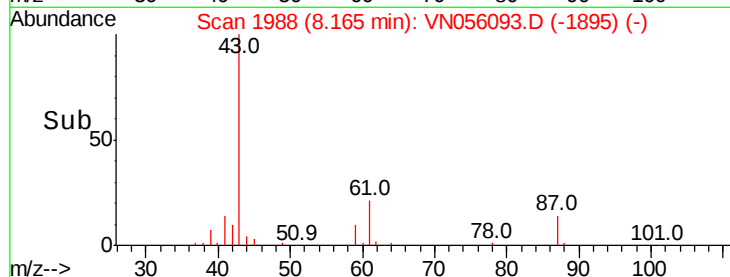
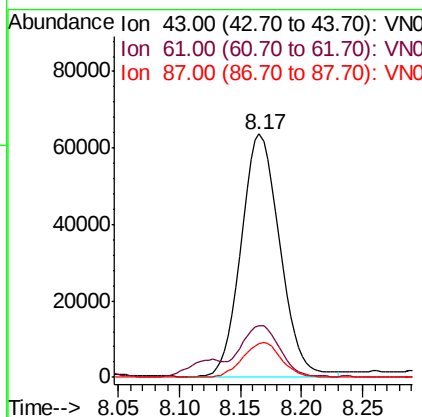
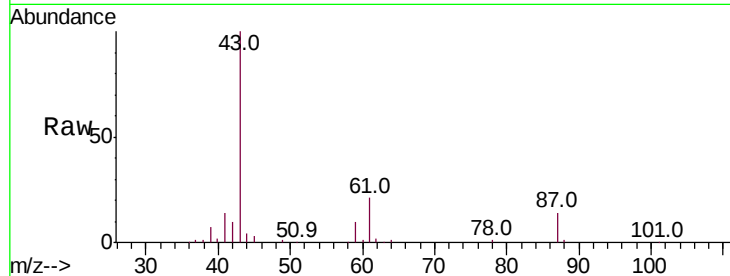
ClientSampleId :

VN0608WBS02

Tot Ion:	43	Resp:	139043
Ion Ratio	Lower	Upper	
43	100		
61	20.6	22.2	33.4#
87	14.4	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.945 ug/l

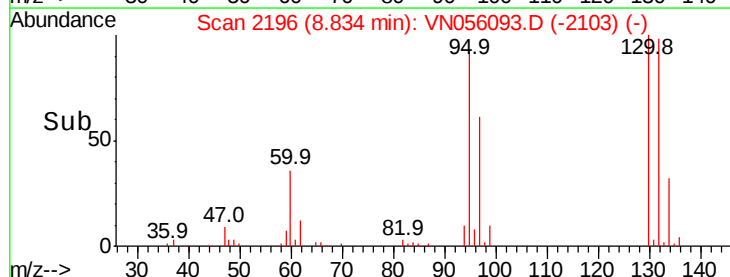
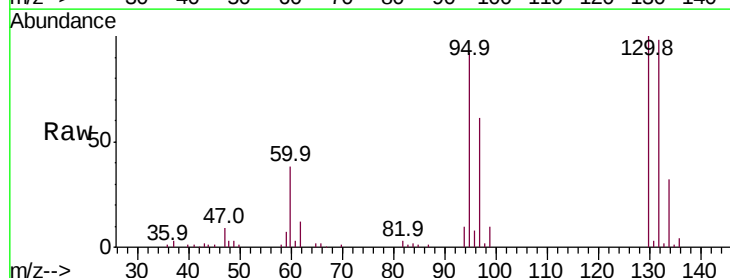
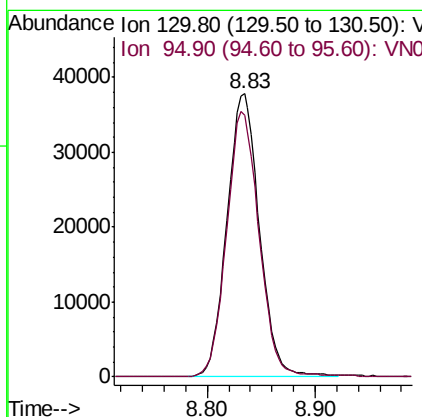
RT: 8.83 min Scan# 2196

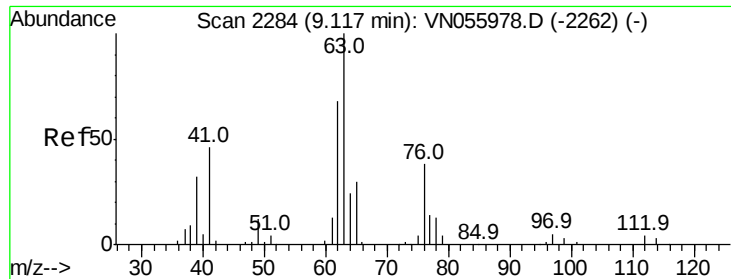
Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion:	130	Resp:	79205
Ion Ratio	Lower	Upper	
130	100		
95	92.4	0.0	188.0





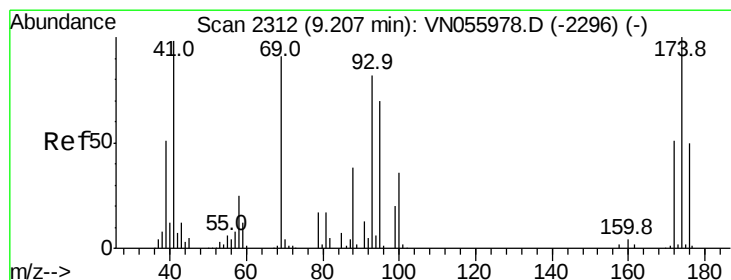
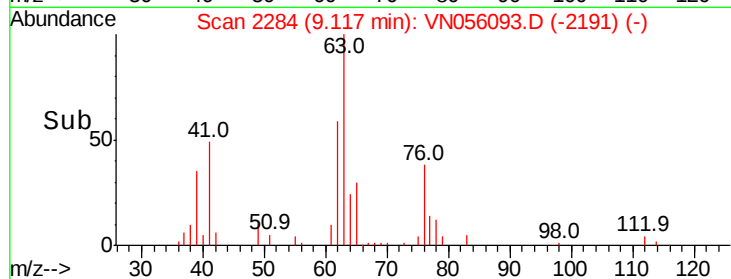
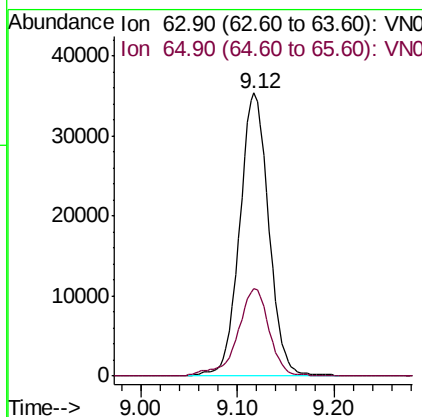
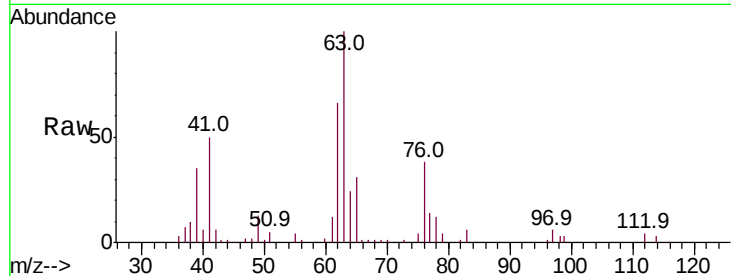
#45
 1,2-Dichloropropane
 Concen: 20.932 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Tot Ion: 63 Resp: 74096
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8

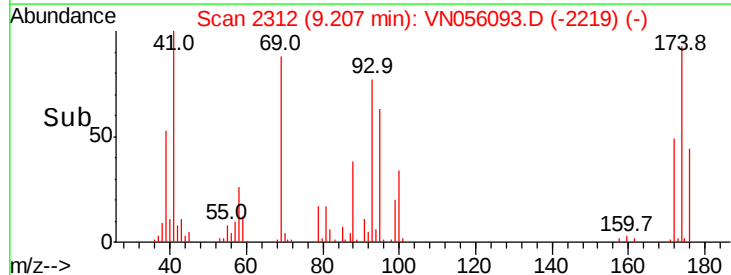
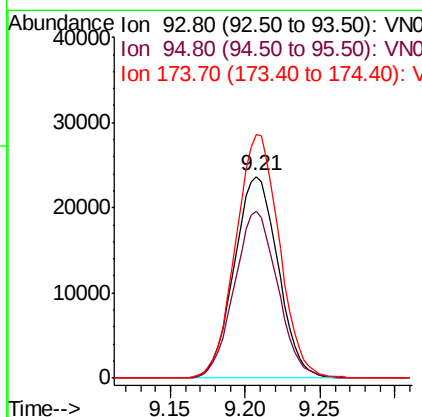
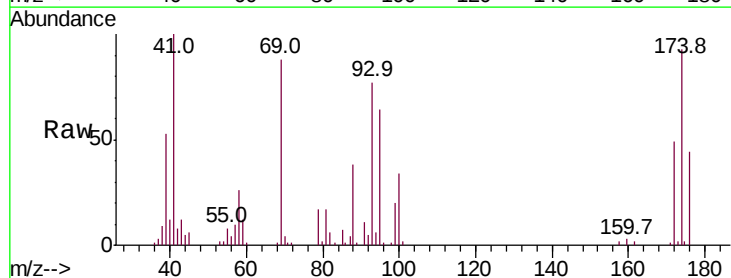
Manual Integrations
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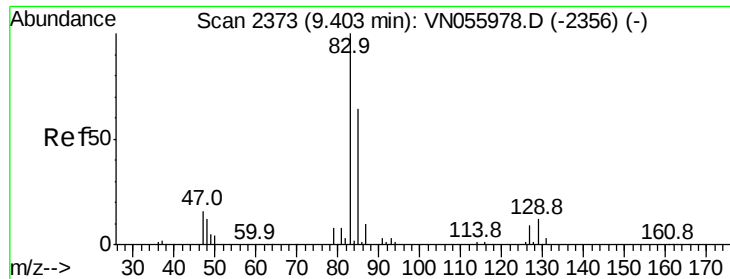
MMDadoda
 6/10/2019 11:27:06 AM



#46
 Dibromomethane
 Concen: 20.831 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 93 Resp: 48219
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.7 100.1
 174 120.4 96.4 144.6





#47

Bromodichloromethane

Concen: 19.959 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

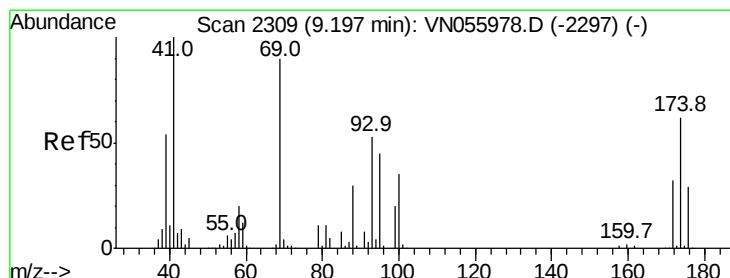
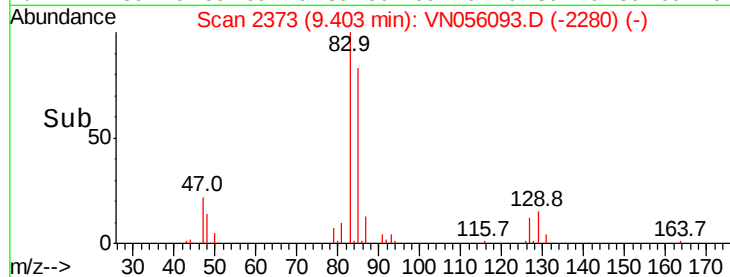
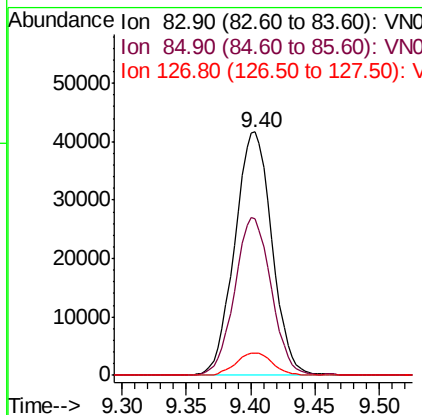
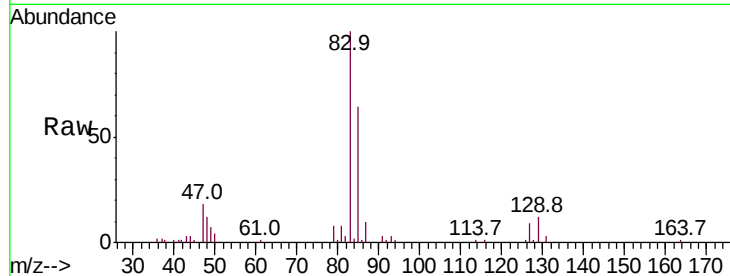
ClientSampleId :

VN0608WBS02

Tot Ion:	83	Resp:	83737
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.2	78.2
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.990 ug/l

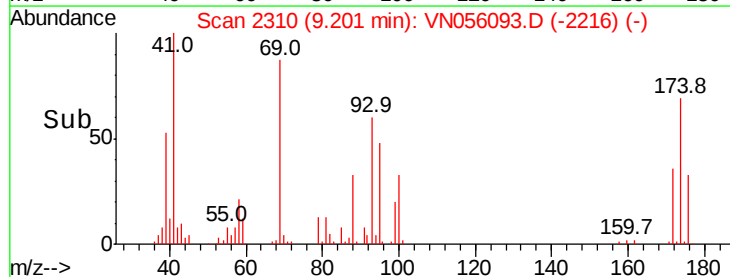
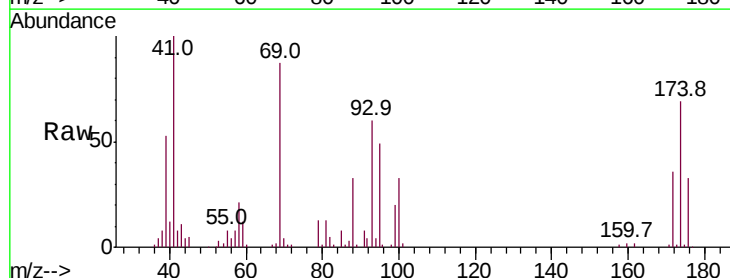
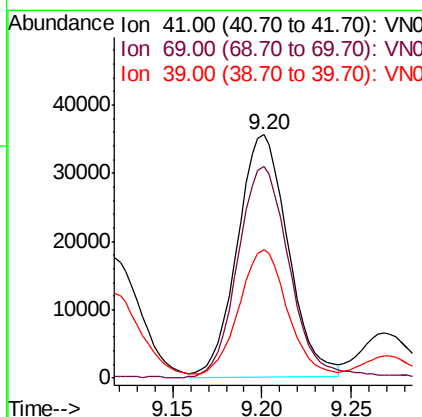
RT: 9.20 min Scan# 2310

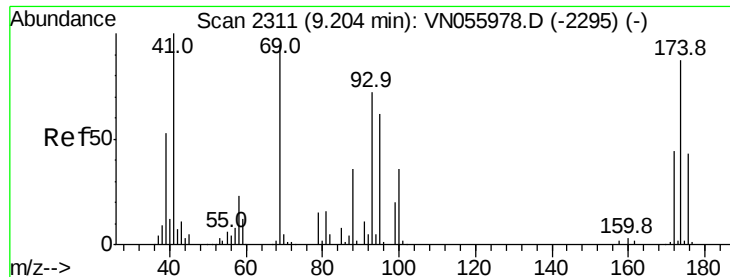
Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion:	41	Resp:	70578
Ion Ratio	Lower	Upper	
41	100		
69	89.8	71.0	106.6
39	52.1	44.2	66.2





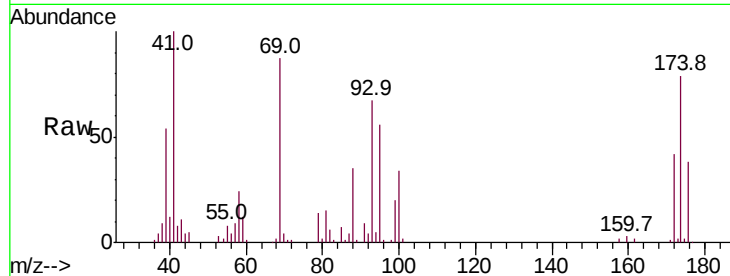
#49
1,4-Dioxane
Concen: 429.345 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS02

Tot Ion	88	Resp	29750
Ion	Ratio	Lower	Upper
88	100		
43	24.7	20.5	30.7
58	63.5	55.8	83.6

Manual Integrations
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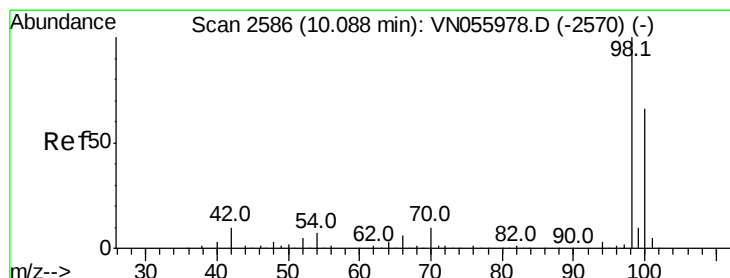
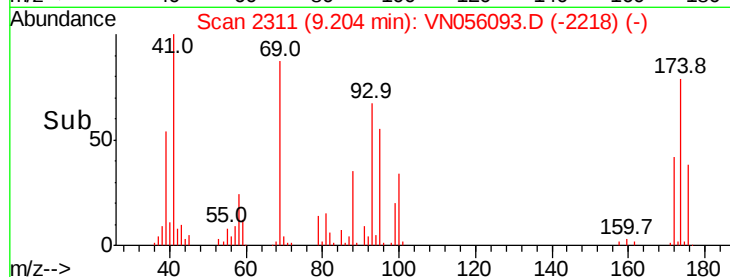
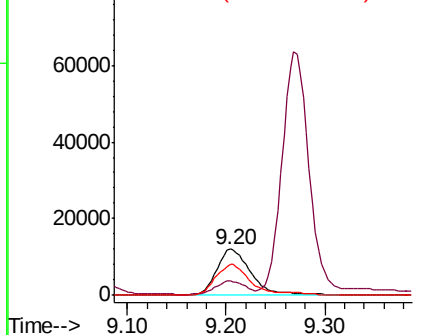


Abundance

Ion 88.00 (87.70 to 88.70): VN0

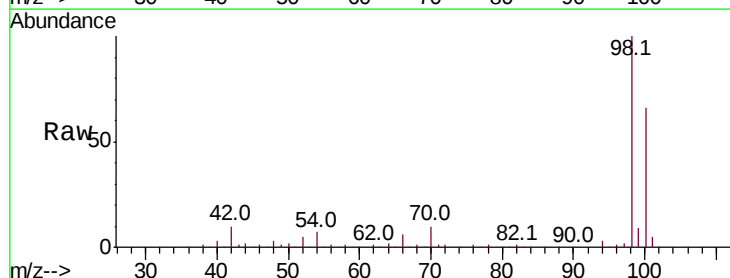
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 46.290 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

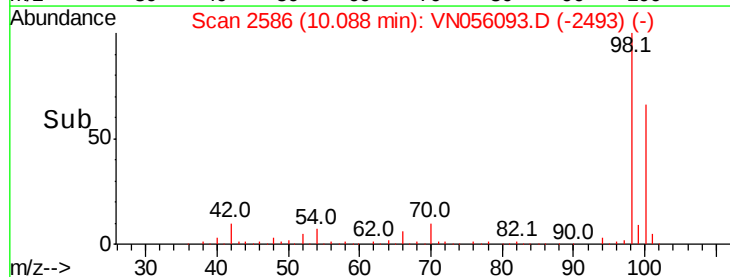
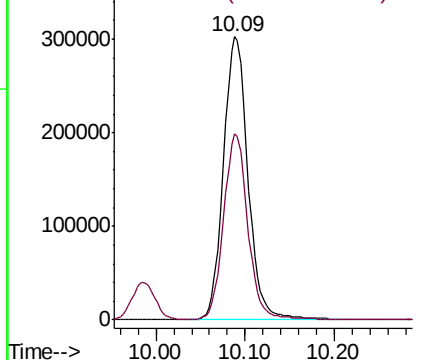
Tgt Ion	98	Resp	578305
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9

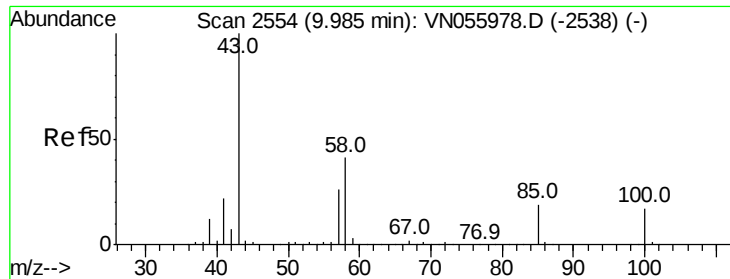


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 112.686 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS02

Tot Ion: 43 Resp: 462308

Ion Ratio Lower Upper

43 100

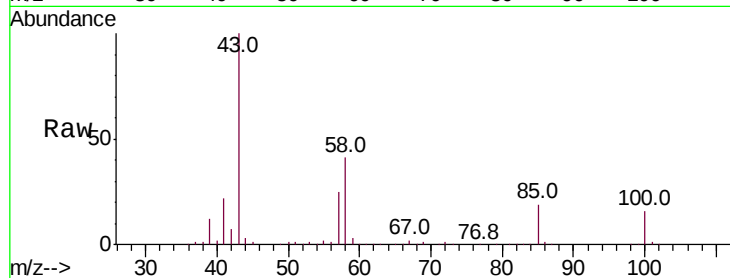
58 40.8 32.1 48.1

Manual Integrations

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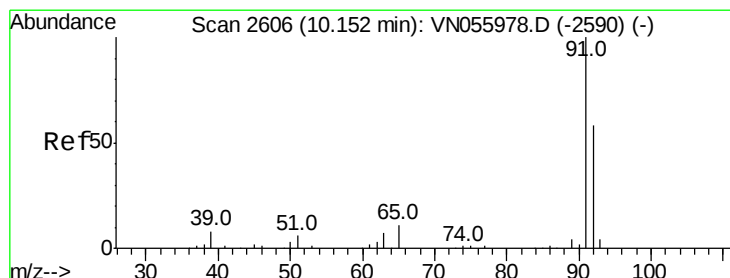
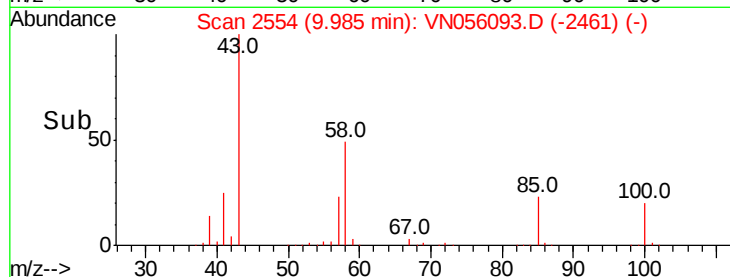
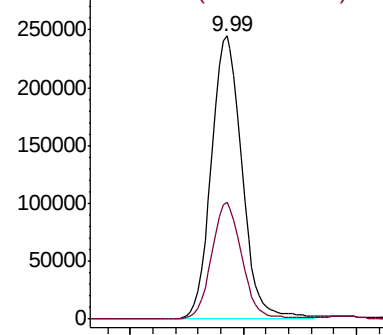
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.818 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056093.D

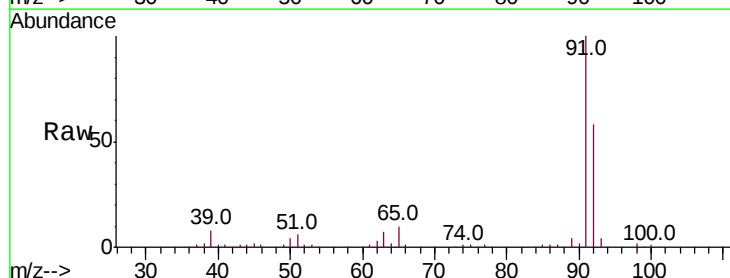
Acq: 7 Jun 2019 12:26

Tgt Ion: 92 Resp: 179023

Ion Ratio Lower Upper

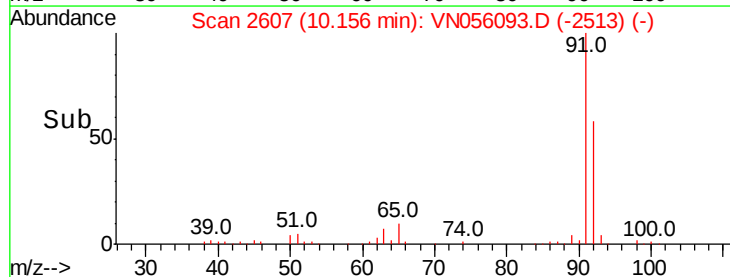
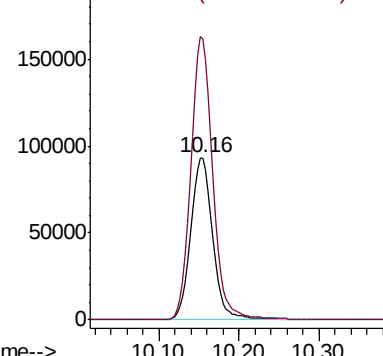
92 100

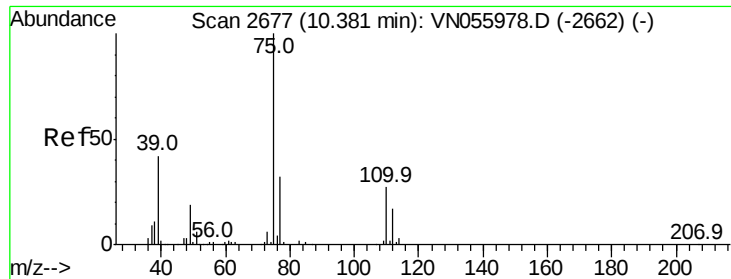
91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.933 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion: 75 Resp: 85430

Ion Ratio Lower Upper

75 100

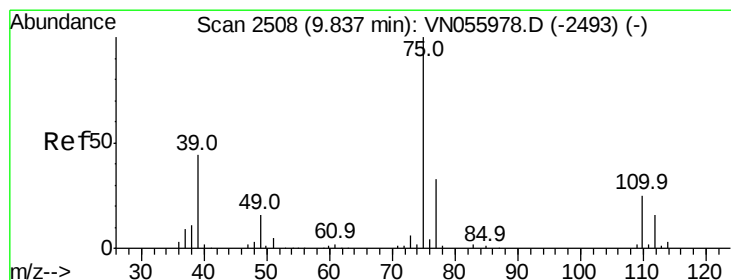
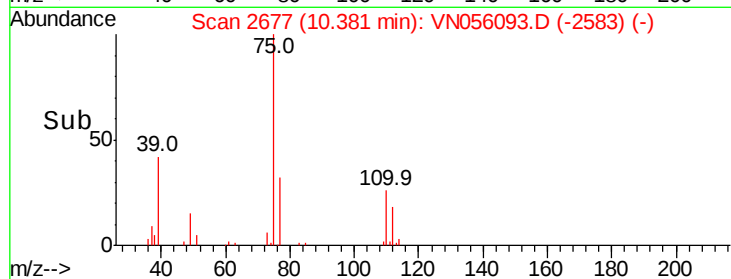
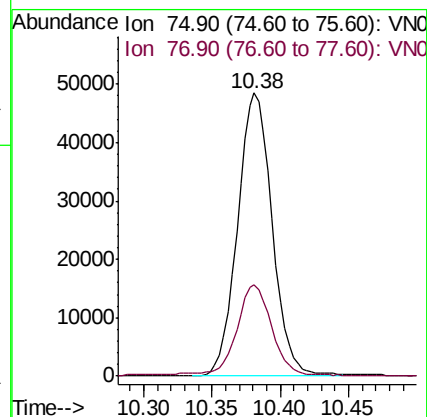
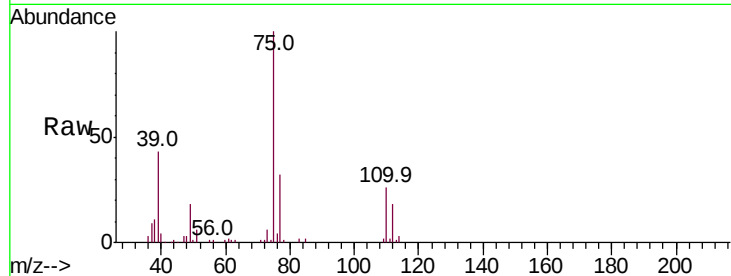
77 32.0 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 20.398 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

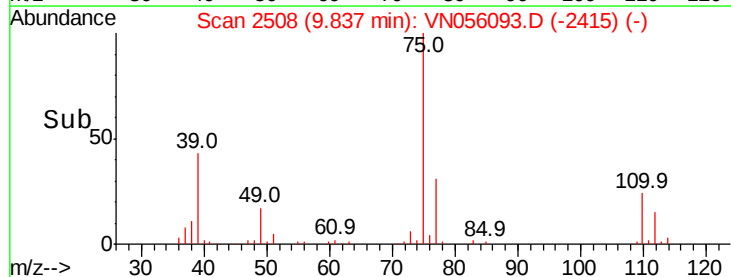
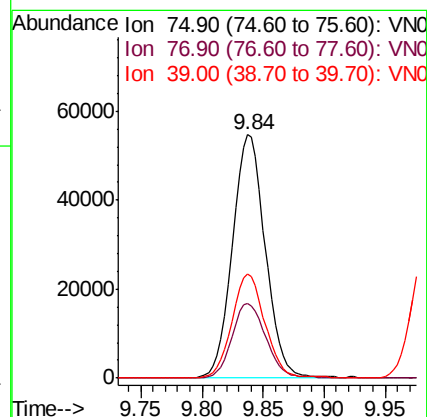
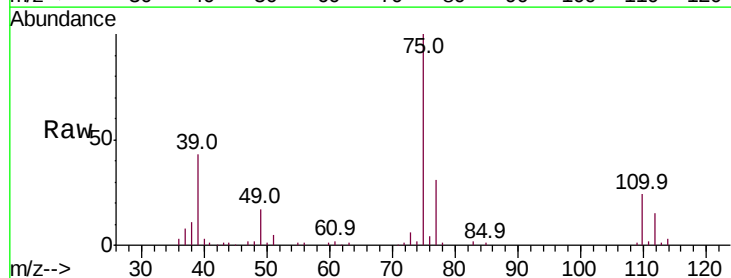
Tgt Ion: 75 Resp: 102864

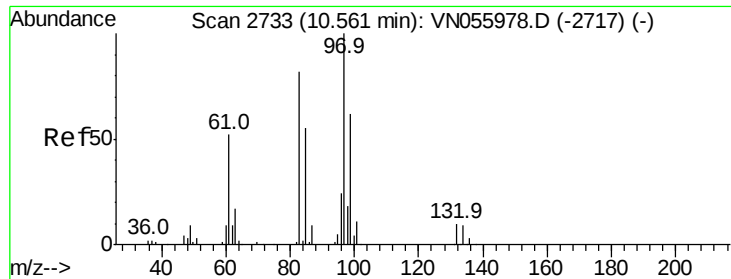
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 42.9 36.3 54.5





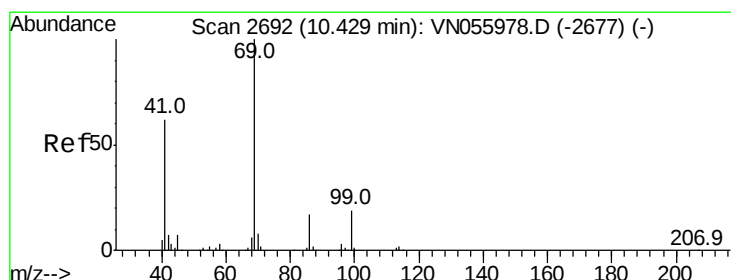
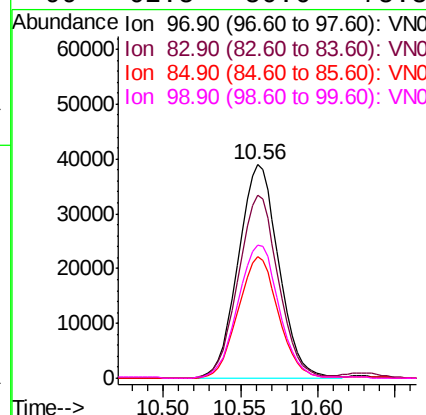
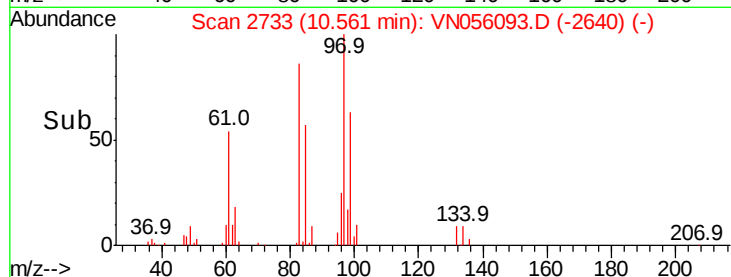
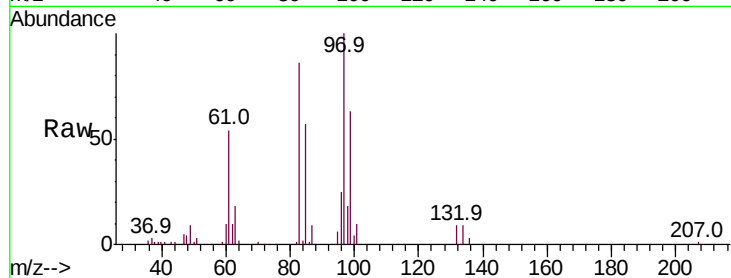
#55
 1,1,2-Trichloroethane
 Concen: 20.821 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.0	100.6
85	57.2	44.0	66.0
99	62.5	50.6	75.8

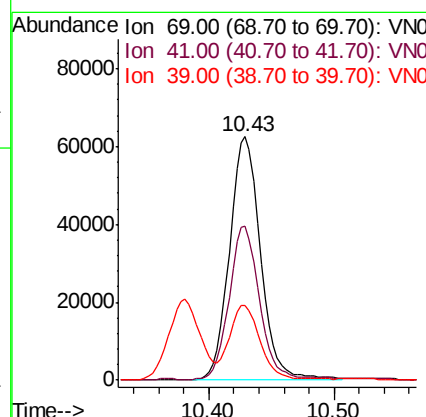
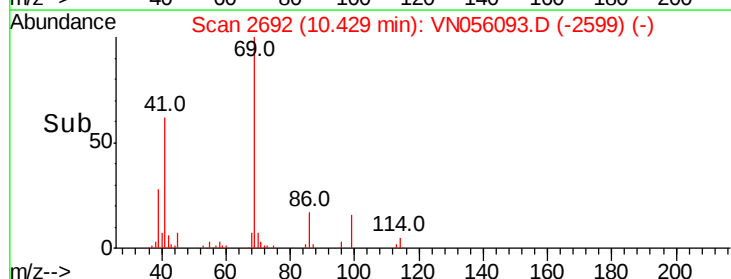
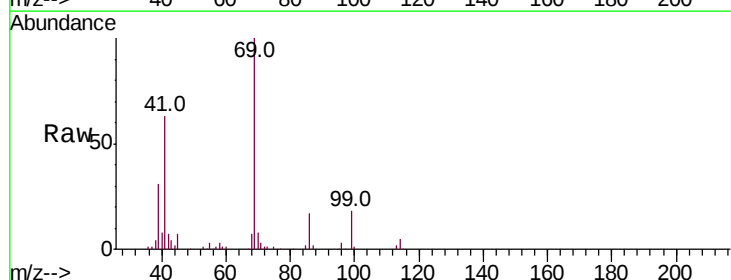
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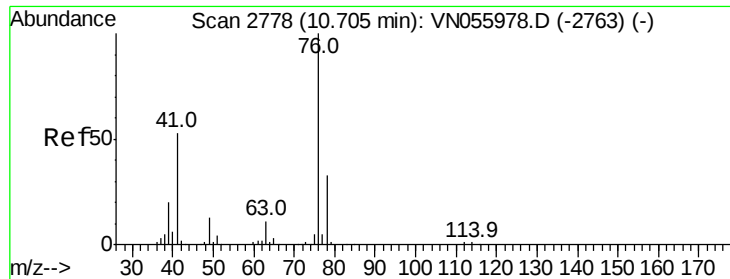
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 6/10/2019 11:27:06 AM



#56
 Ethyl methacrylate
 Concen: 21.623 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.7	74.5
39	29.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 21.295 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion: 76 Resp: 117926

Ion Ratio Lower Upper

76 100

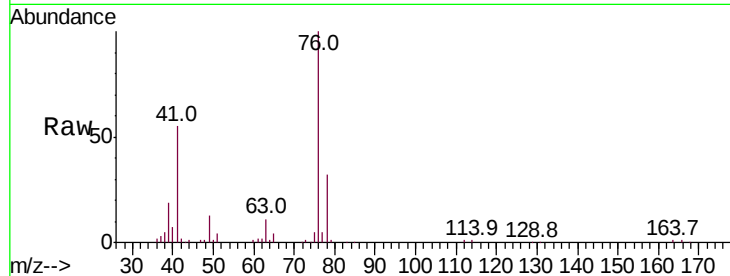
78 31.8 25.8 38.6

Manual Integrations

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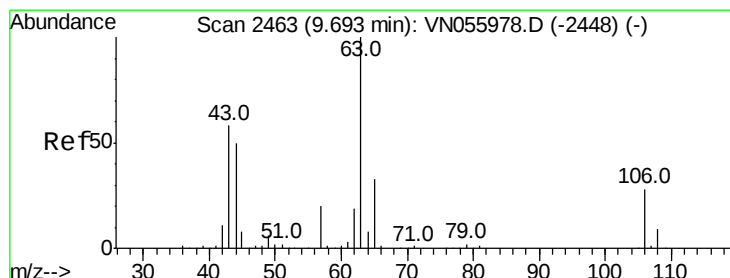
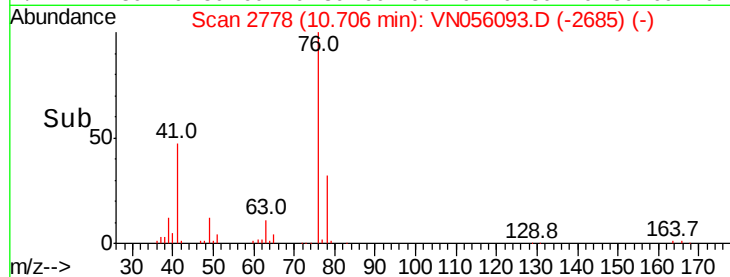
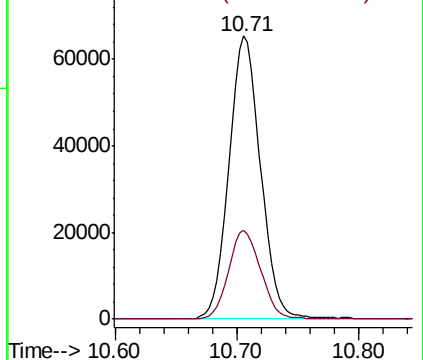
MMDadoda

6/10/2019 11:27:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 83.864 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056093.D

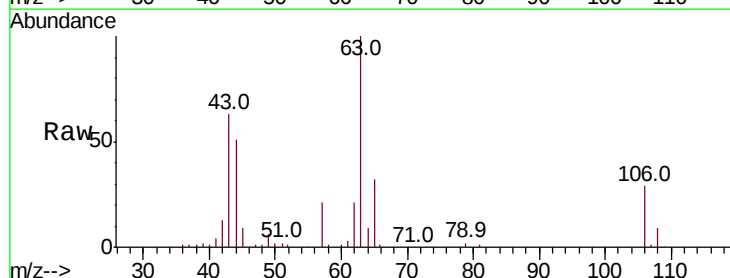
Acq: 7 Jun 2019 12:26

Tgt Ion: 63 Resp: 144534

Ion Ratio Lower Upper

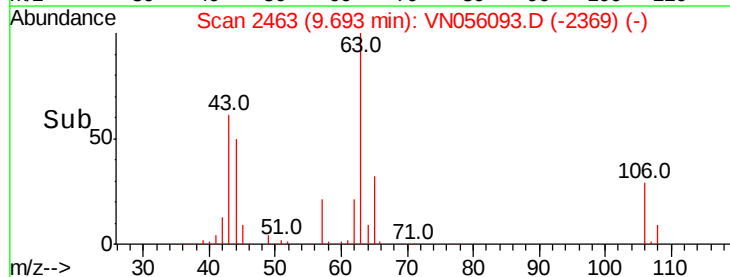
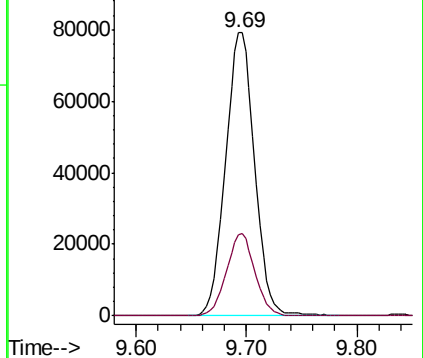
63 100

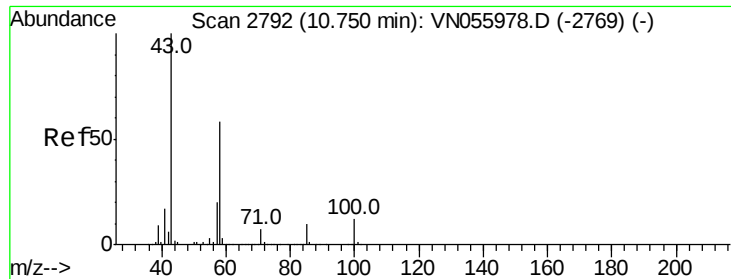
106 28.3 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





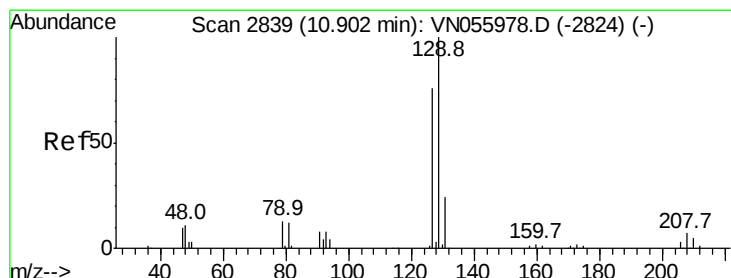
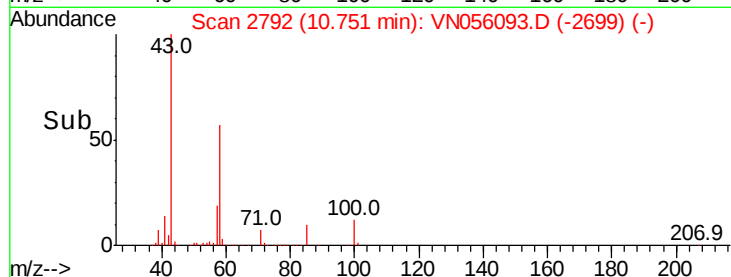
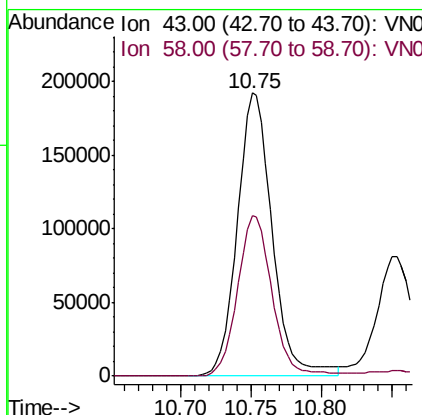
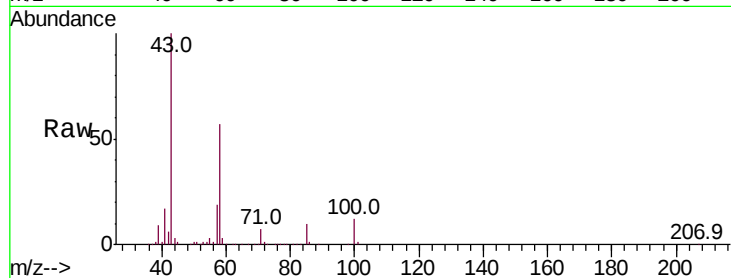
#59
2-Hexanone
Concen: 111.728 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion: 43 Resp: 332224
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7

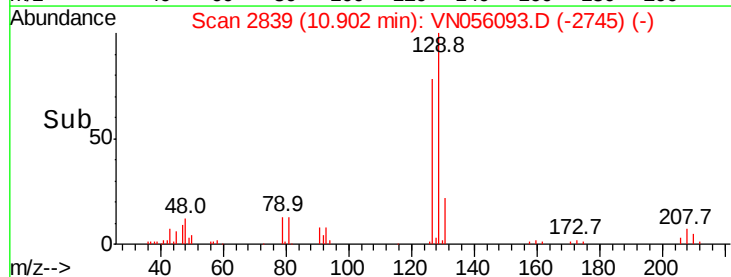
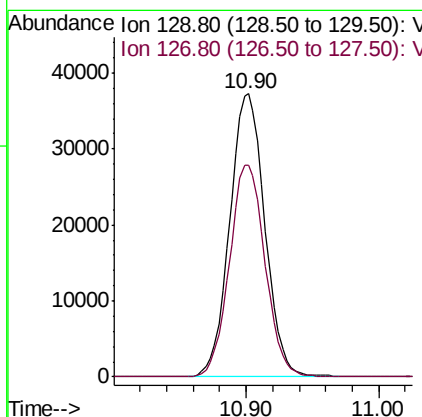
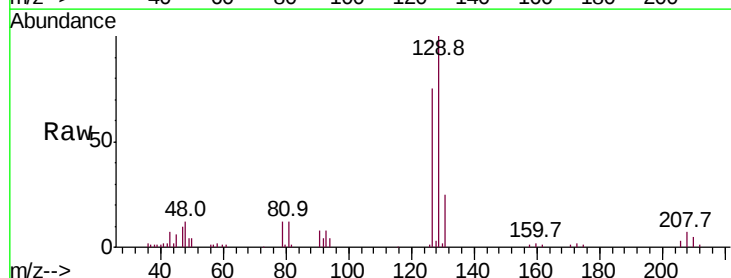
Manual Integrations
APPROVED

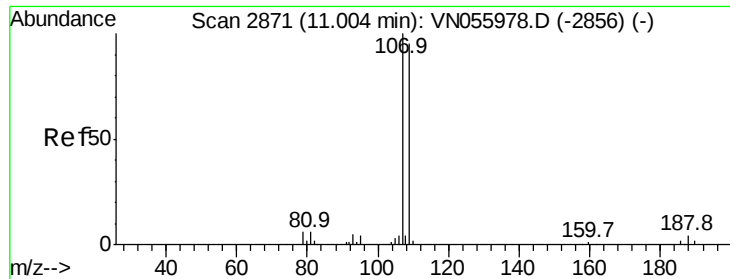
MMDadoda
6/10/2019 11:27:06 AM



#60
Dibromochloromethane
Concen: 19.739 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 129 Resp: 68295
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.3





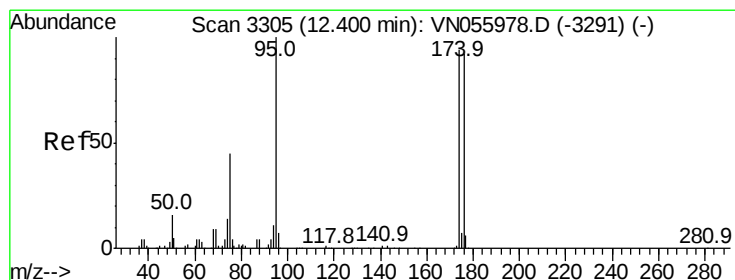
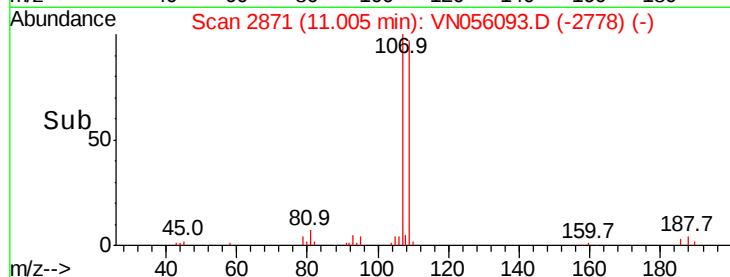
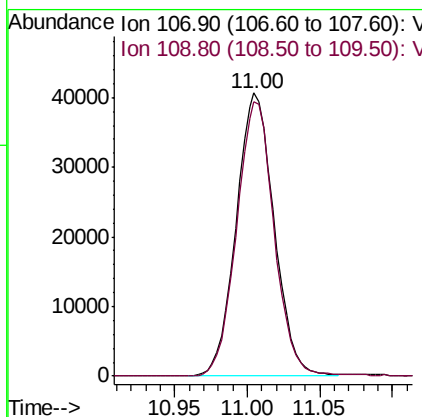
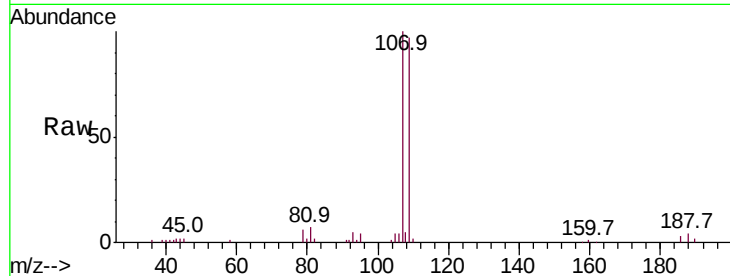
#61
 1,2-Dibromoethane
 Concen: 21.212 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Tot Ion: 107 Resp: 73868
 Ion Ratio Lower Upper
 107 100
 109 95.7 74.8 112.2

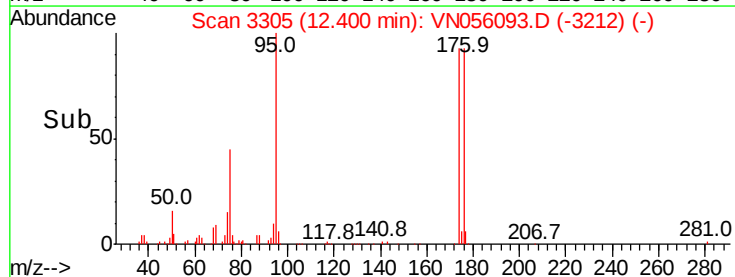
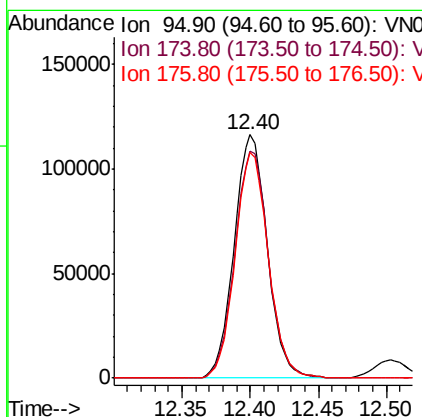
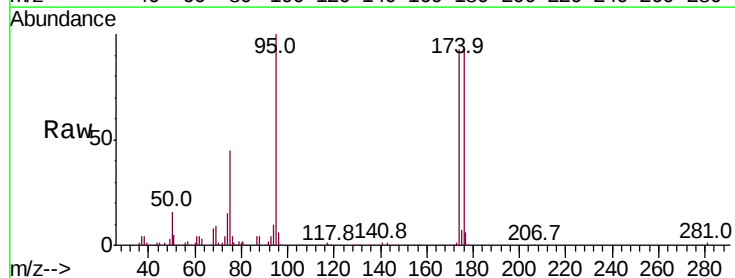
Manual Integrations
 APPROVED

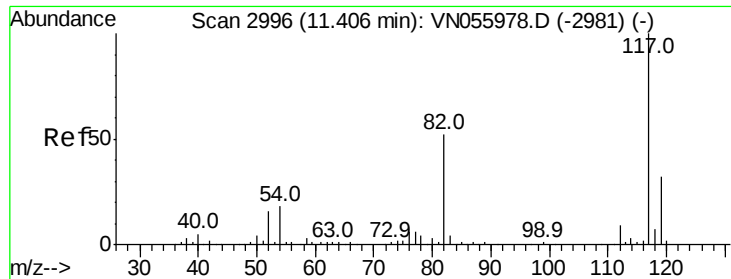
MMDadoda
 6/10/2019 11:27:06 AM



#62
 4-Bromofluorobenzene
 Concen: 46.270 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion: 95 Resp: 196585
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 191.0
 176 92.9 0.0 185.2





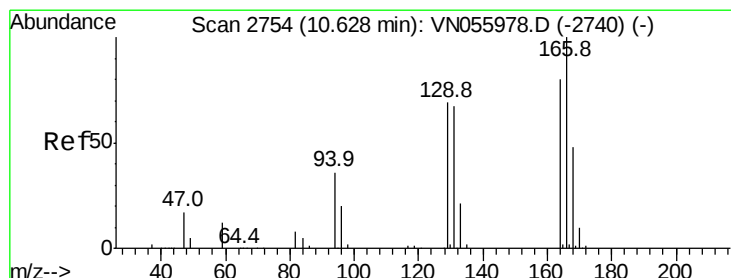
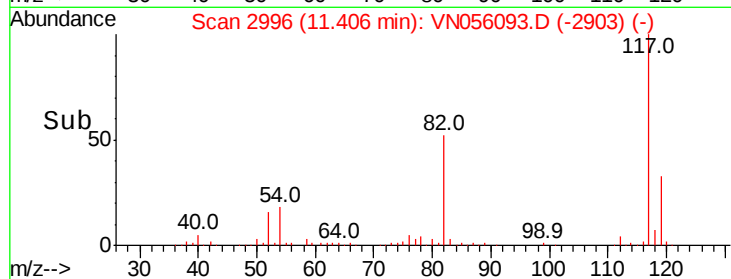
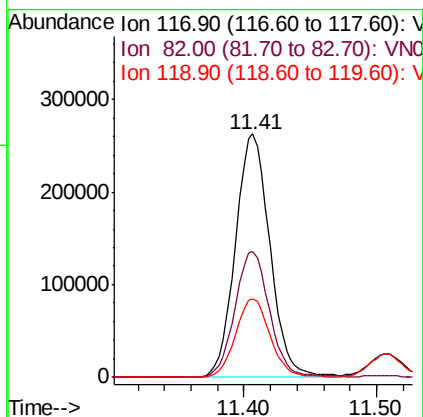
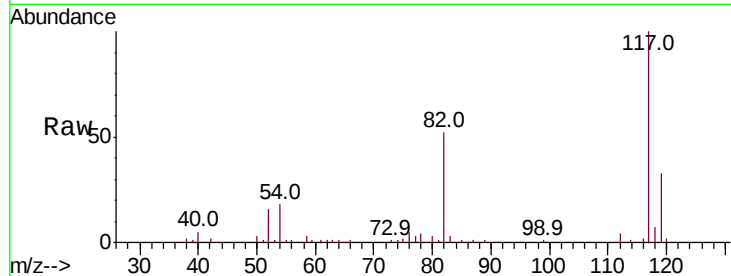
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.8
119	32.5	25.4	38.0

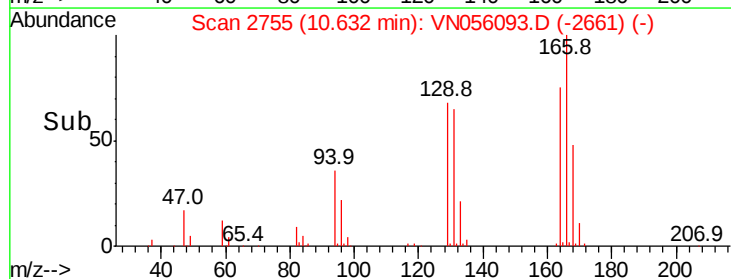
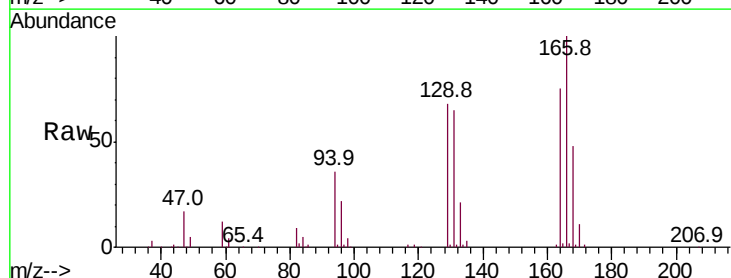
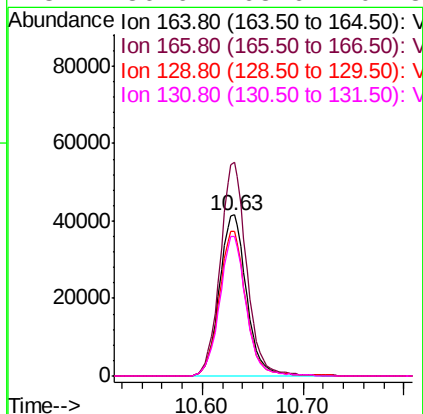
Manual Integrations
APPROVED

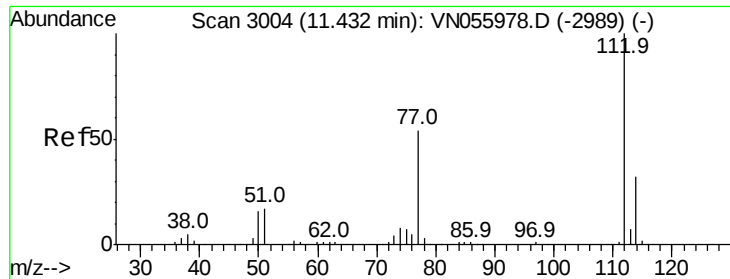
MMDadoda
6/10/2019 11:27:06 AM



#64
Tetrachloroethene
Concen: 19.003 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	103.0	154.6
129	89.8	70.6	105.8
131	86.6	68.6	102.8





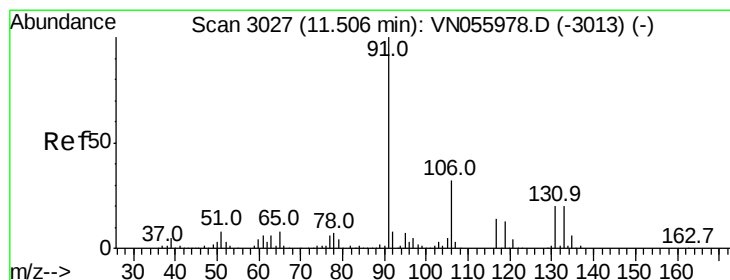
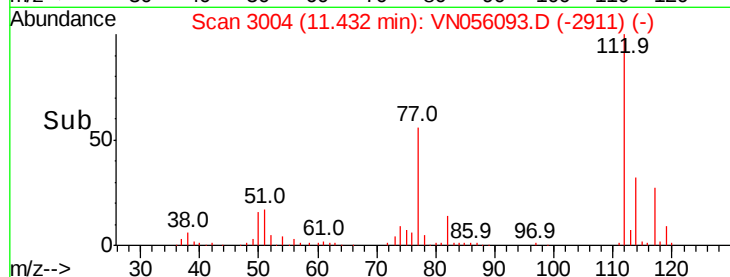
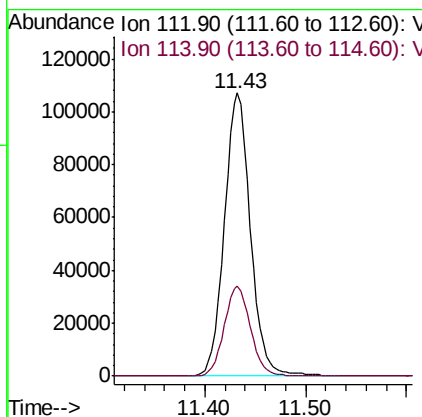
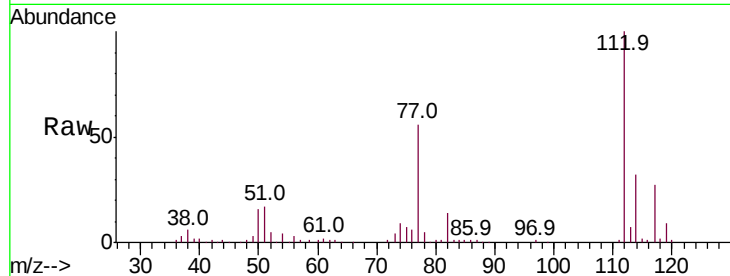
#65
Chlorobenzene
Concen: 20.417 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion:112 Resp: 193240
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4

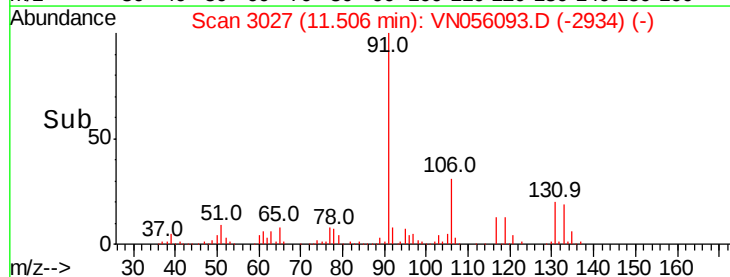
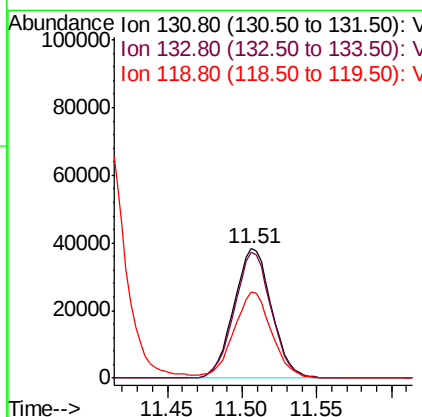
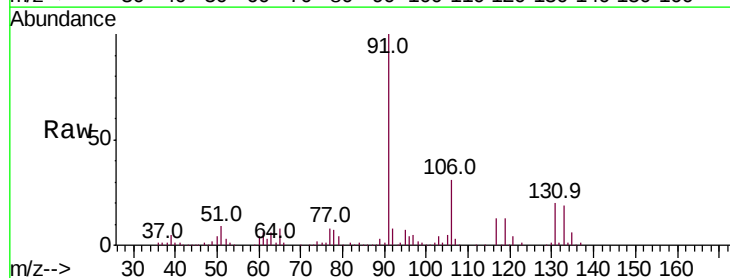
Manual Integrations
APPROVED

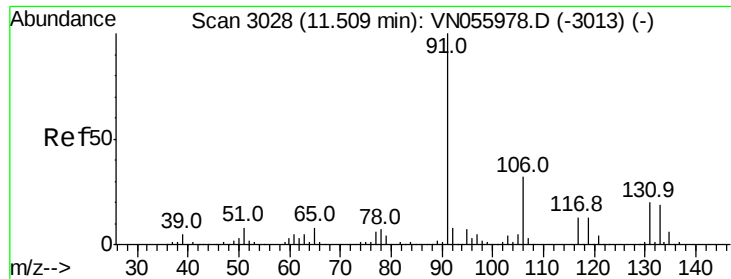
MMDadoda
6/10/2019 11:27:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.591 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion:131 Resp: 67291
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.5 33.1 99.5





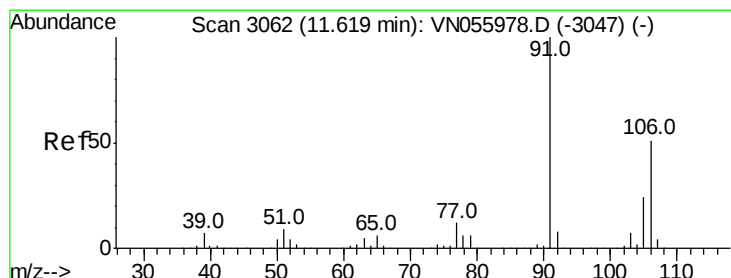
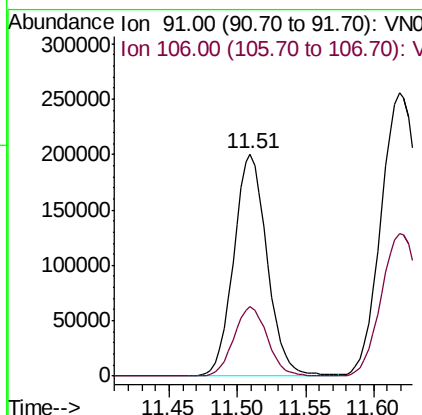
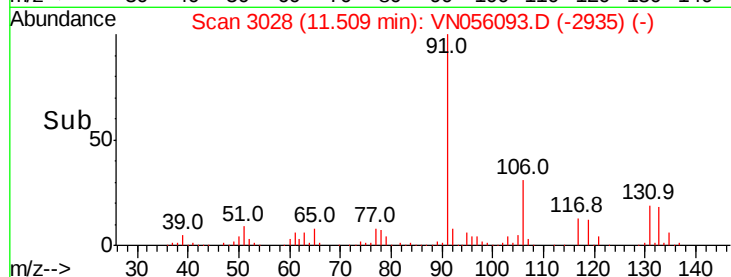
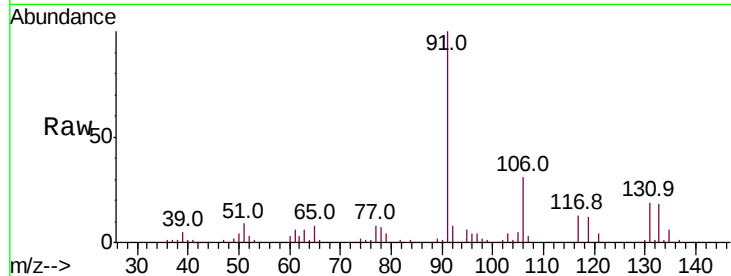
#67
Ethyl Benzene
Concen: 20.683 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion: 91 Resp: 340401
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

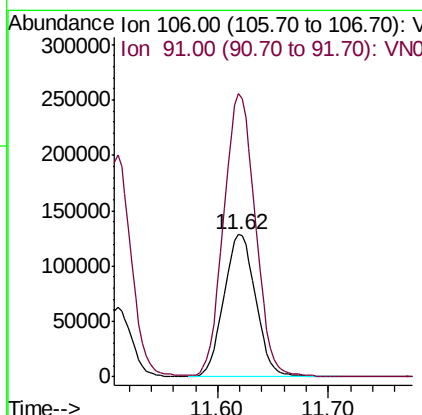
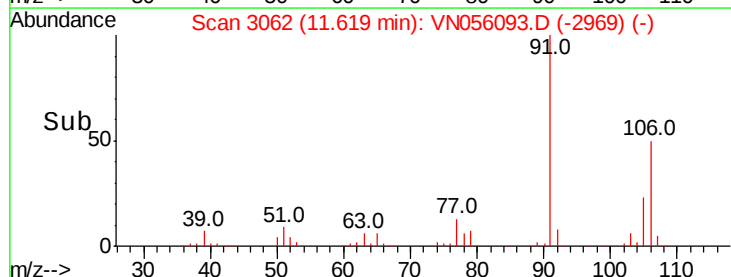
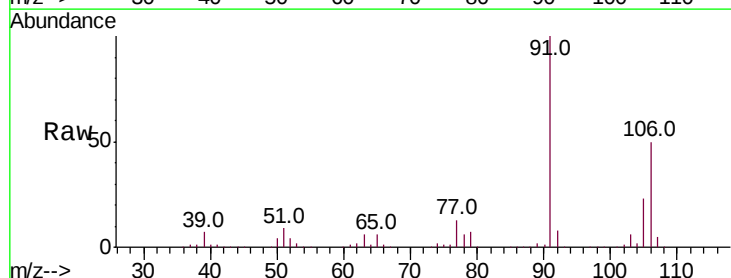
Manual Integrations
APPROVED

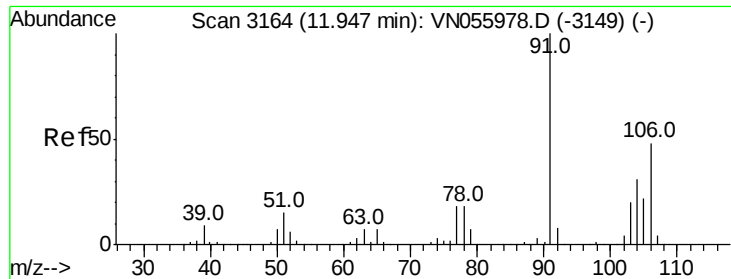
MMDadoda
6/10/2019 11:27:06 AM



#68
m/p-Xylenes
Concen: 41.027 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion: 106 Resp: 257934
Ion Ratio Lower Upper
106 100
91 198.1 159.3 238.9





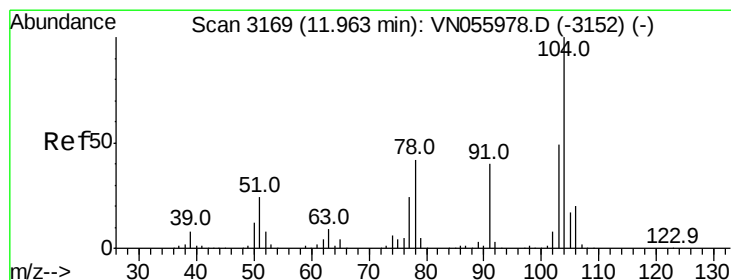
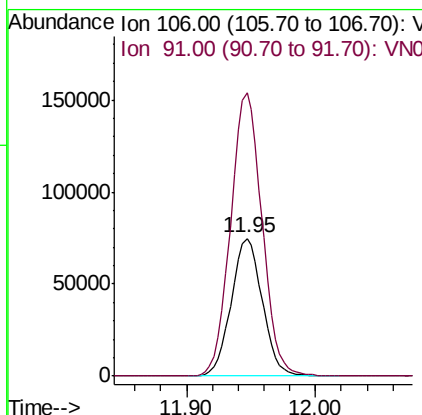
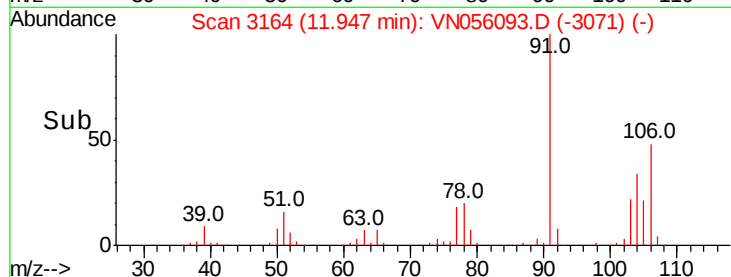
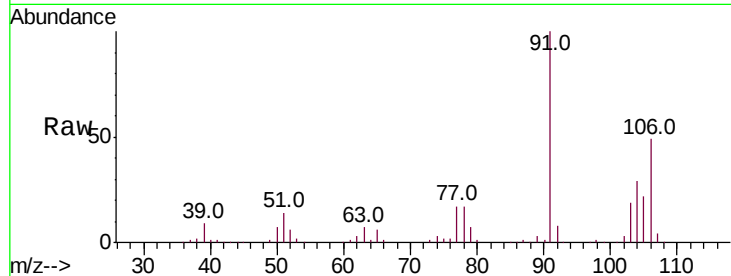
#69
o-Xylene
Concen: 20.303 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion:106 Resp: 125560
Ion Ratio Lower Upper
106 100
91 207.2 104.7 314.1

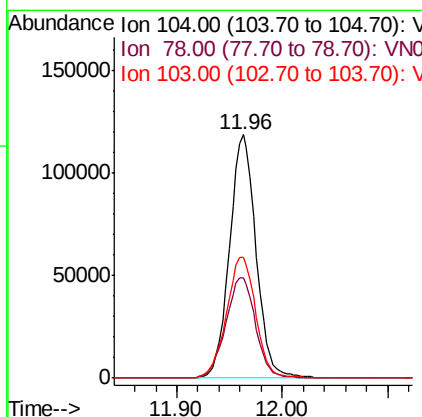
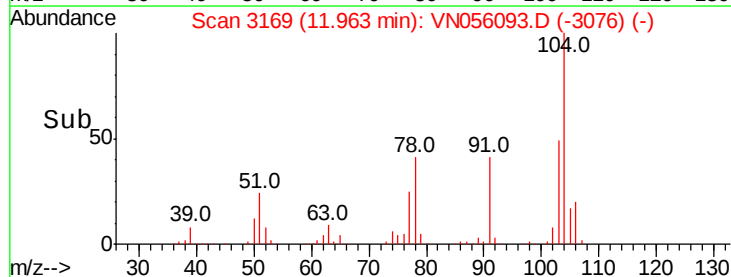
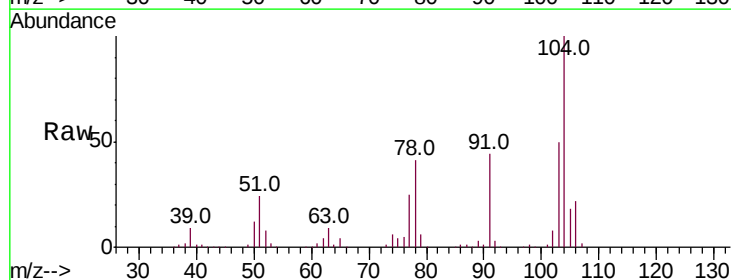
Manual Integrations
APPROVED

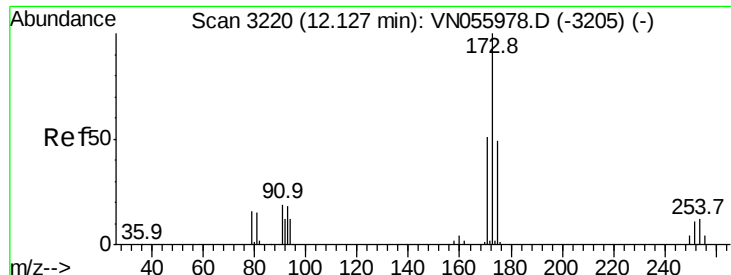
MMDadoda
6/10/2019 11:27:06 AM



#70
Styrene
Concen: 20.926 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion:104 Resp: 205615
Ion Ratio Lower Upper
104 100
78 46.5 37.8 56.6
103 54.9 44.2 66.2





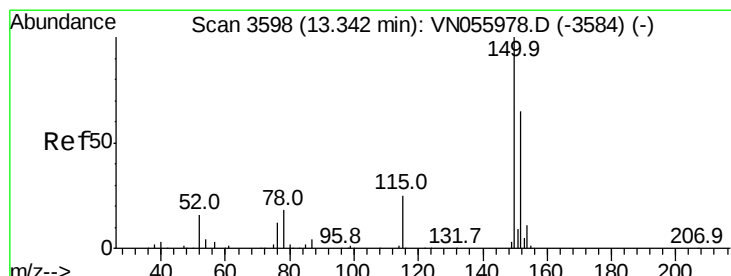
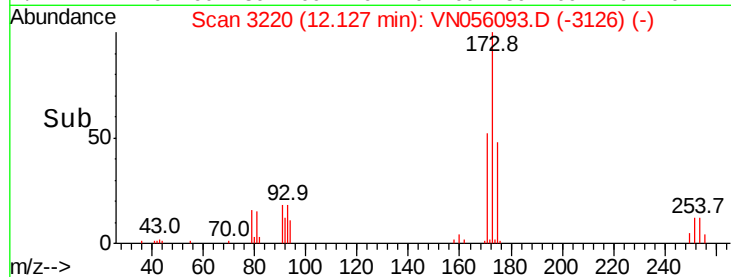
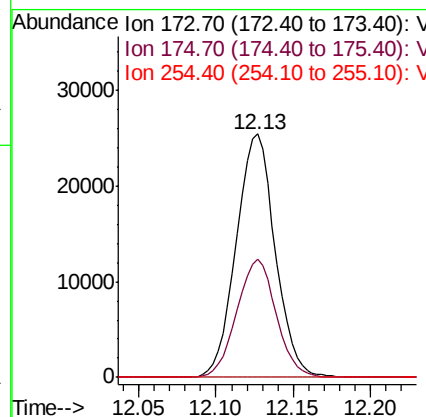
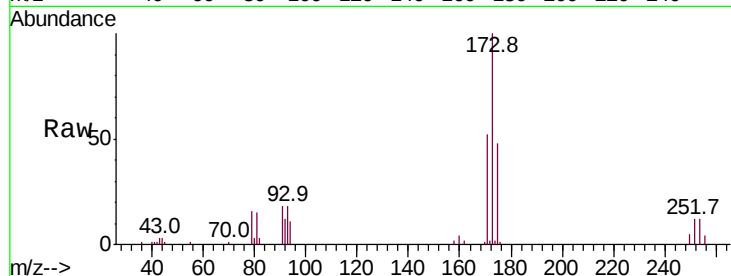
#71
Bromoform
Concen: 18.053 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.0	0.0	0.0

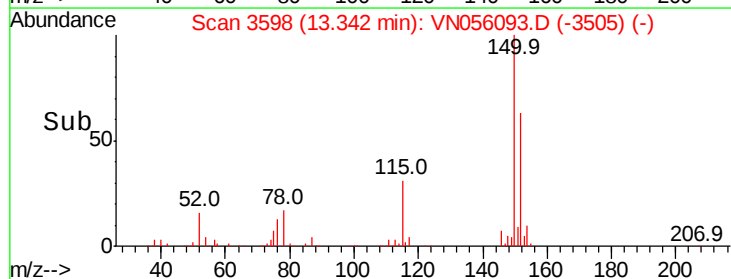
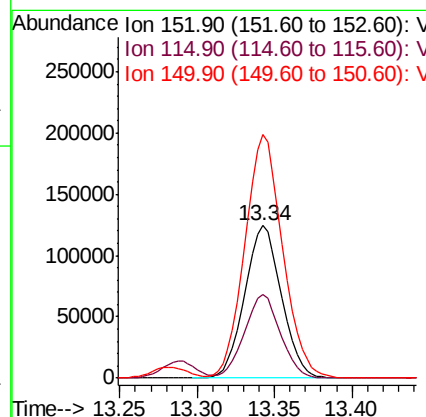
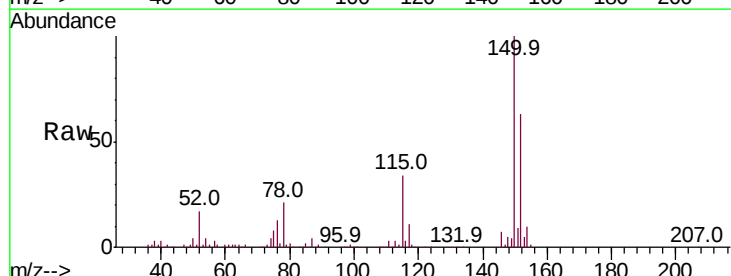
Manual Integrations
APPROVED

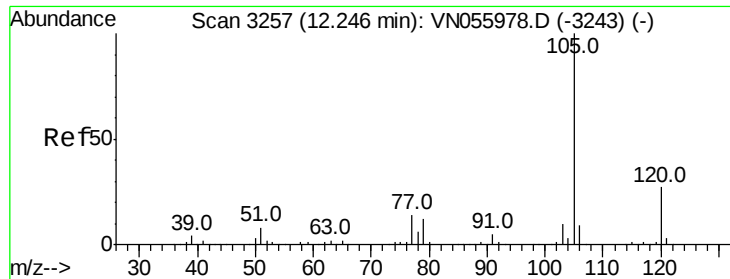
MMDadoda
6/10/2019 11:27:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.0	81.0
150	164.7	0.0	343.2





#73

Isopropylbenzene

Concen: 21.478 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion:105 Resp: 334840

Ion Ratio Lower Upper

105 100

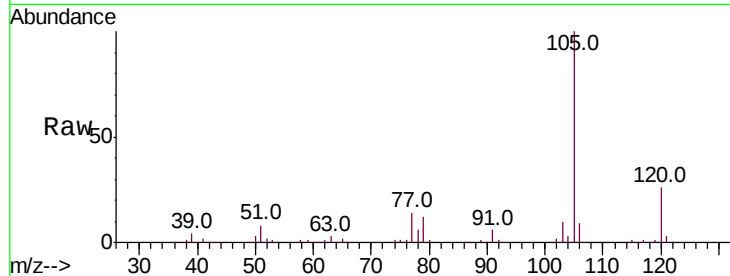
120 26.9 13.6 40.7

Manual Integrations

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MMDadoda

6/10/2019 11:27:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

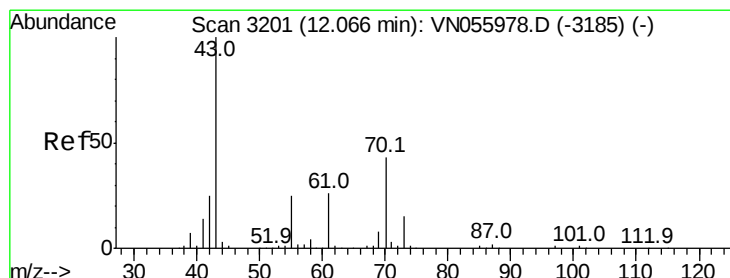
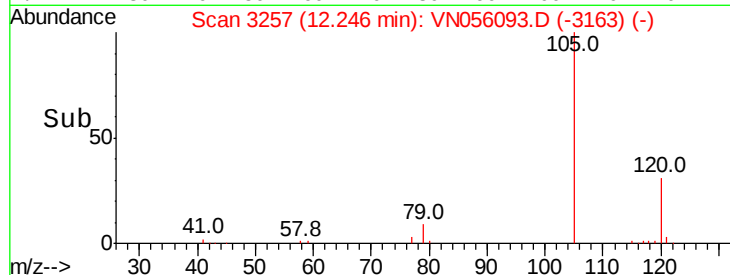
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.866 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion: 43 Resp: 119783

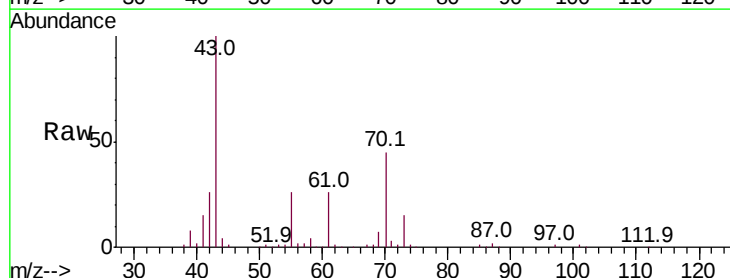
Ion Ratio Lower Upper

43 100

70 44.2 34.0 51.0

55 25.8 18.6 28.0

61 25.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

40000

20000

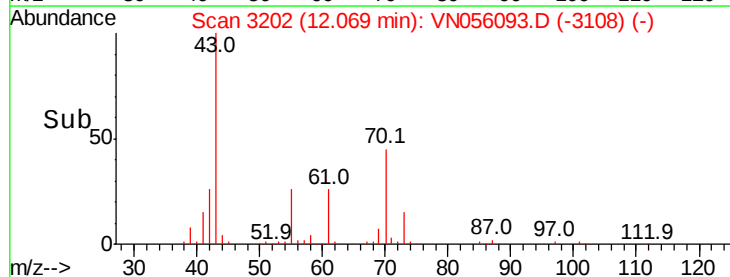
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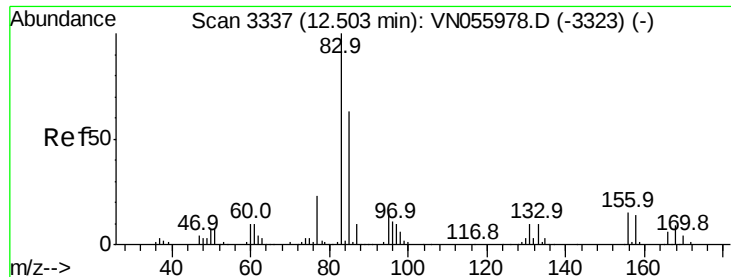
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.986 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

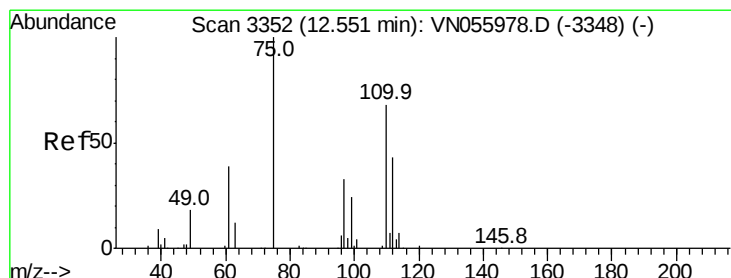
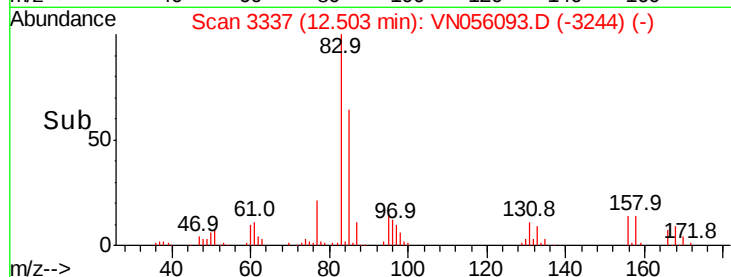
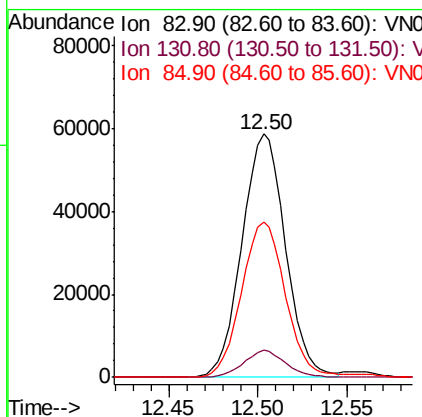
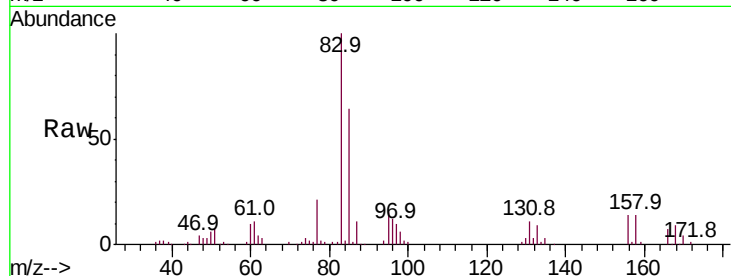
ClientSampleId :

VN0608WBS02

Tot Ion:	83	Resp:	100118
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.4	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 22.473 ug/l m

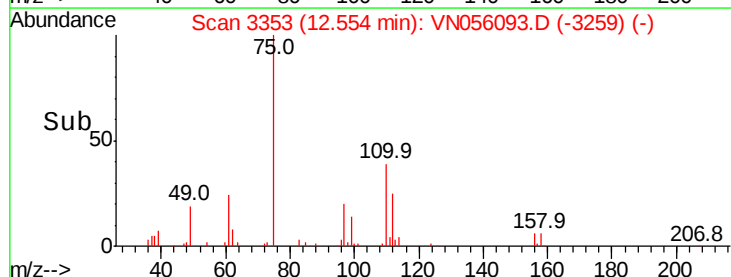
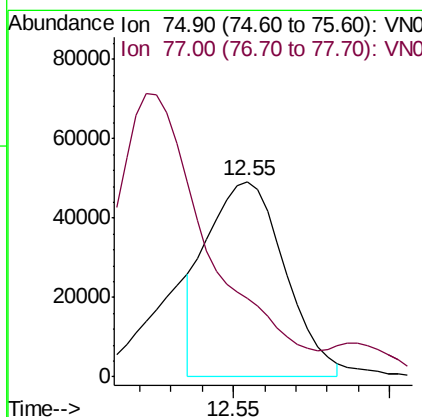
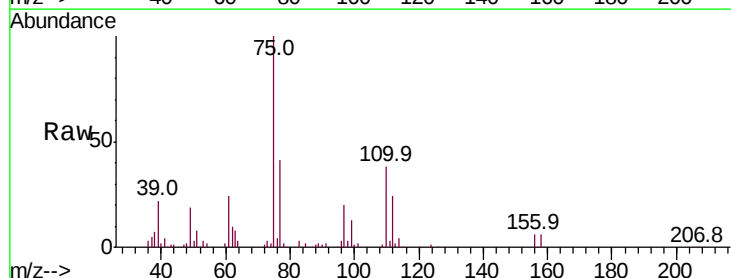
RT: 12.55 min Scan# 3353

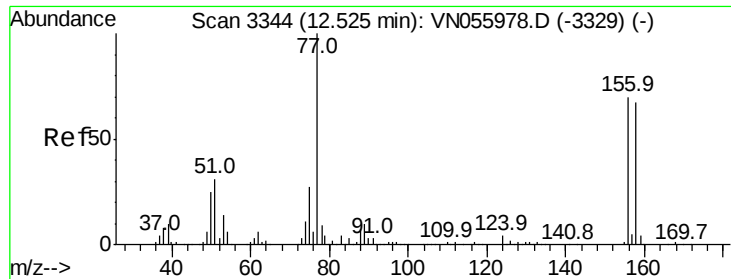
Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion:	75	Resp:	84981
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.002 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion:156 Resp: 88006

Ion Ratio Lower Upper

156 100

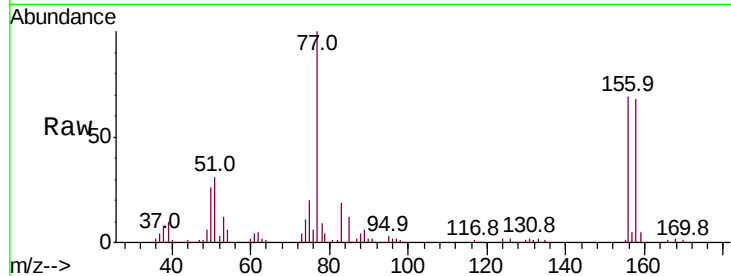
77 174.9 90.8 272.5

158 98.2 49.3 147.8

Manual Integrations
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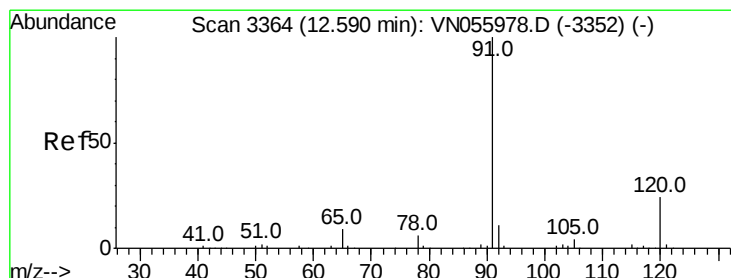
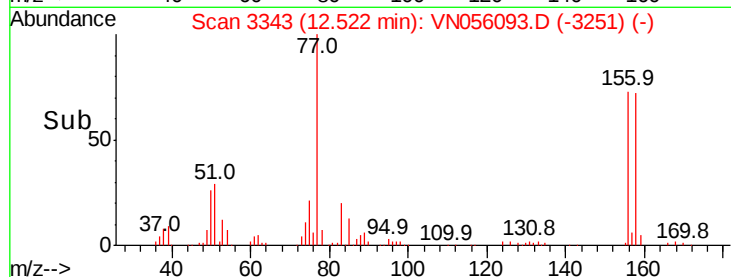
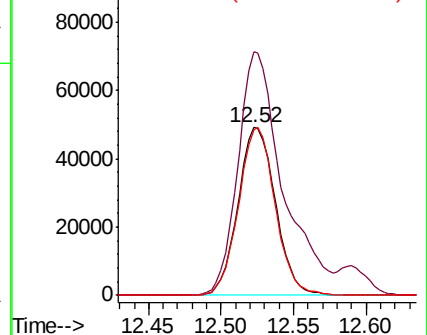
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.873 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056093.D

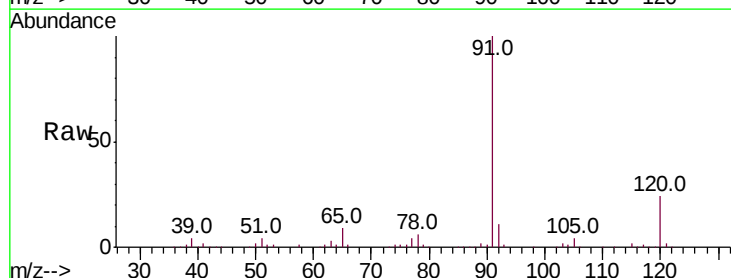
Acq: 7 Jun 2019 12:26

Tgt Ion: 91 Resp: 362893

Ion Ratio Lower Upper

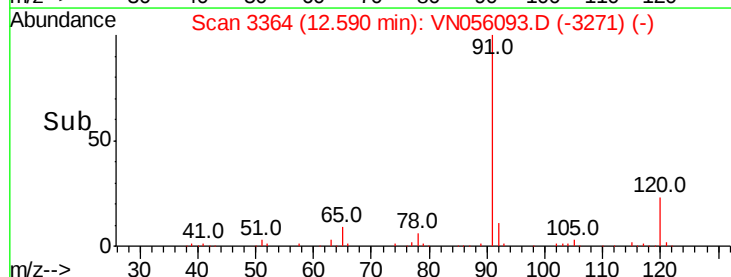
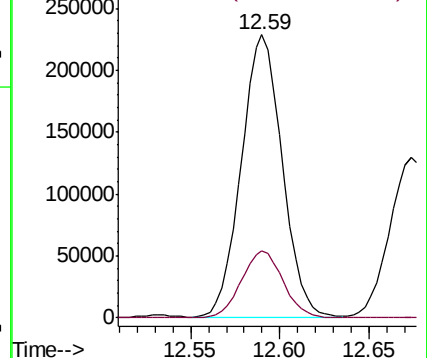
91 100

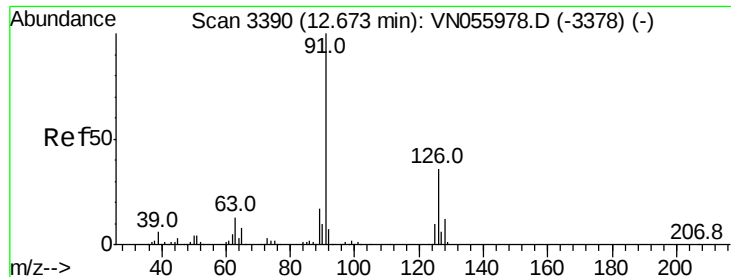
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.138 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion: 91 Resp: 216765

Ion Ratio Lower Upper

91 100

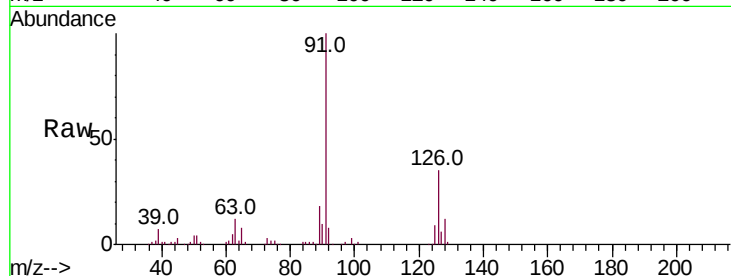
126 35.2 18.1 54.4

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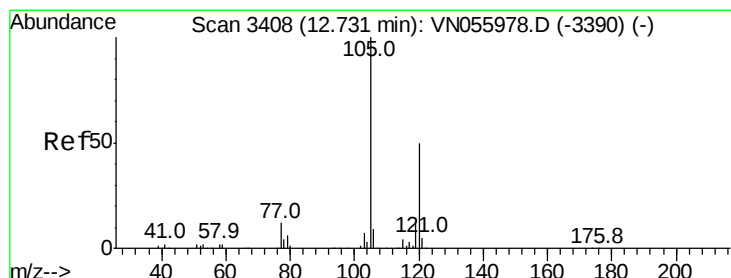
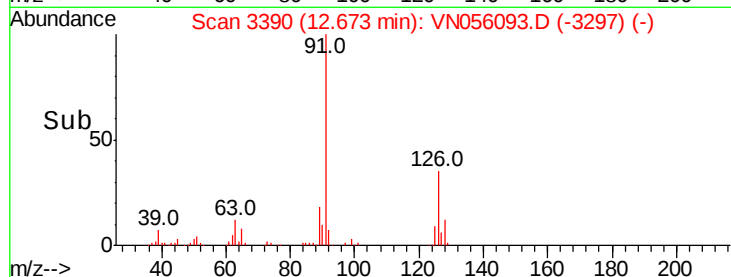
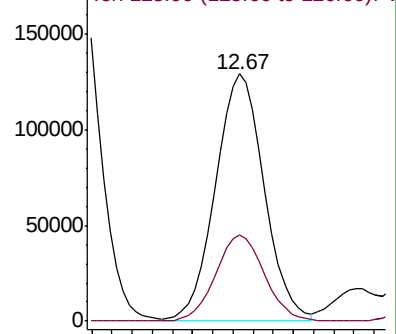
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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.951 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056093.D

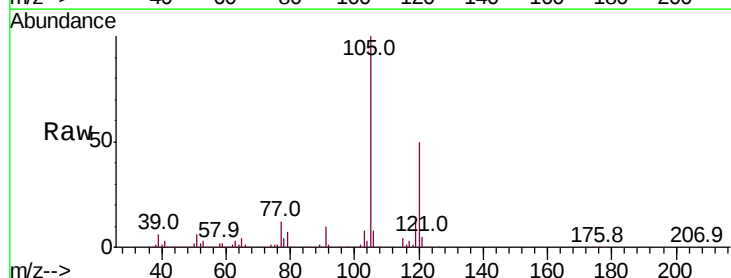
Acq: 7 Jun 2019 12:26

Tgt Ion: 105 Resp: 275669

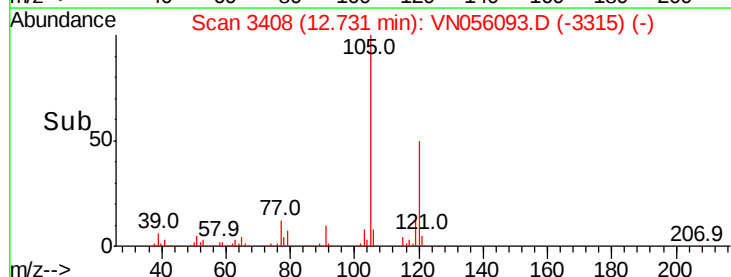
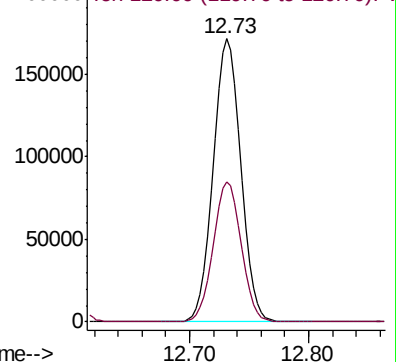
Ion Ratio Lower Upper

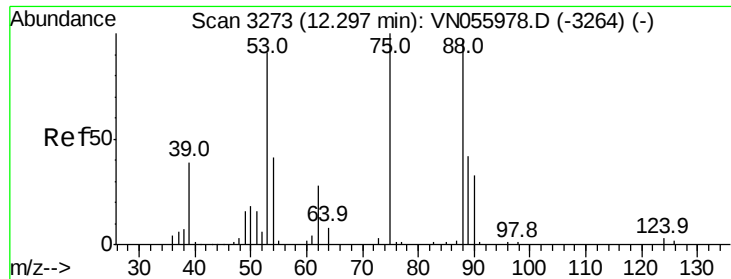
105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.552 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS02

Tot Ion: 75 Resp: 21066

Ion Ratio Lower Upper

75 100

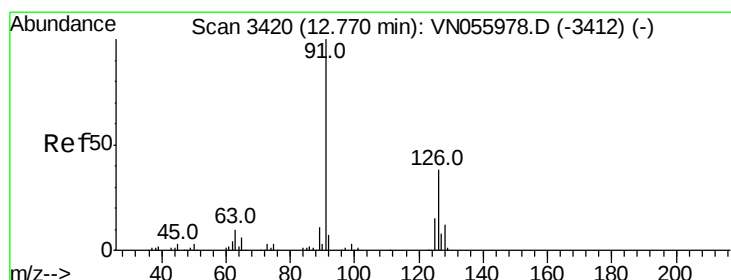
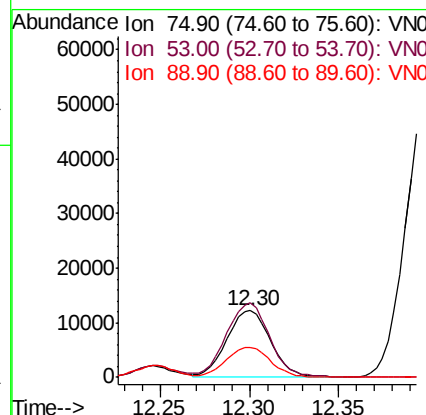
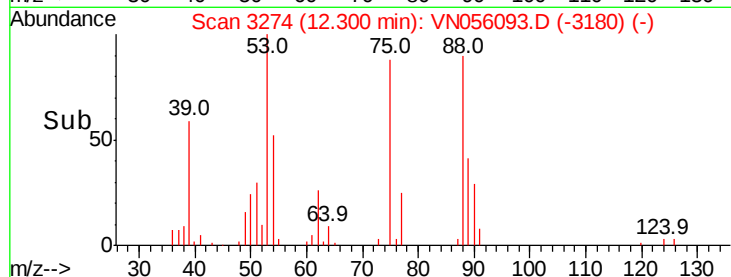
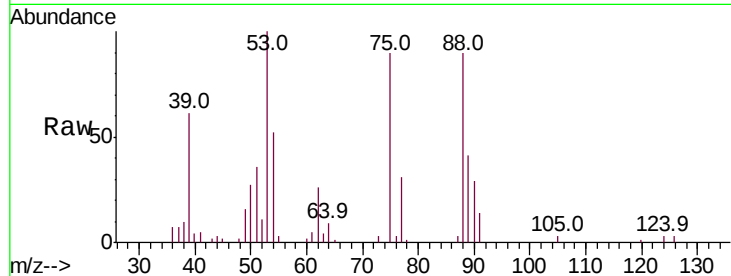
53 109.5 68.1 102.1#

89 45.0 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.730 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056093.D

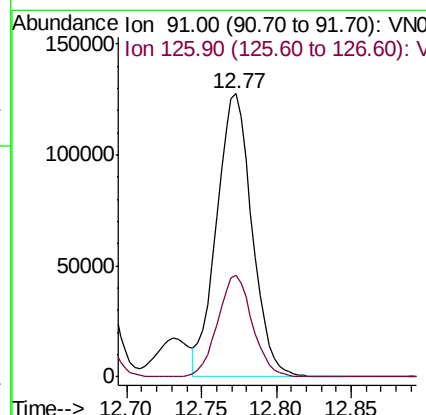
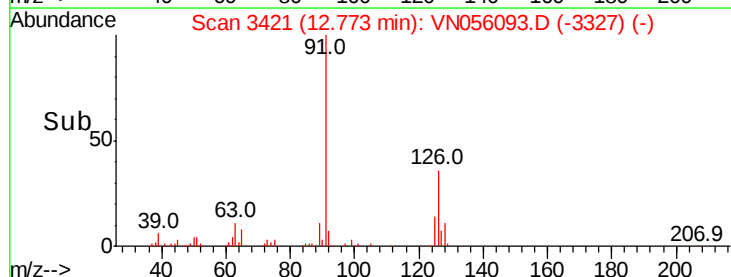
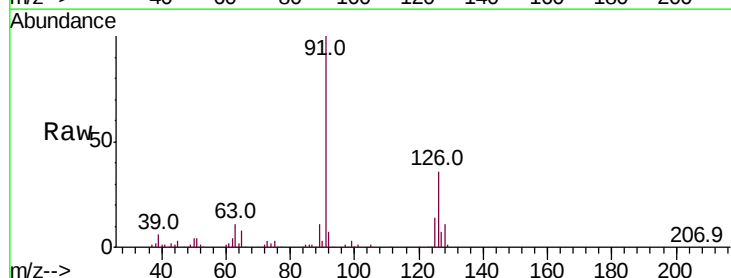
Acq: 7 Jun 2019 12:26

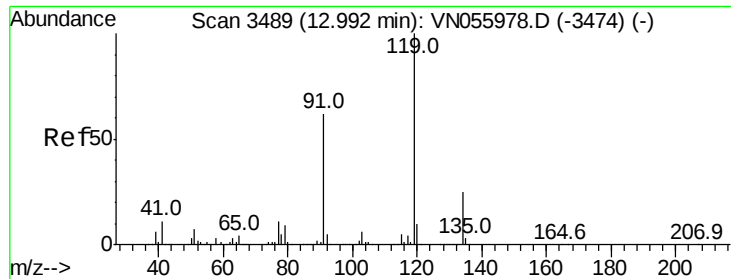
Tgt Ion: 91 Resp: 210858

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.3





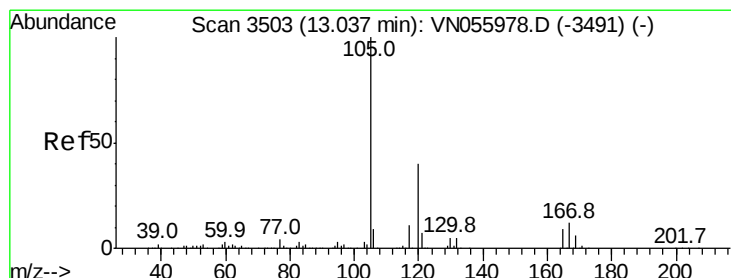
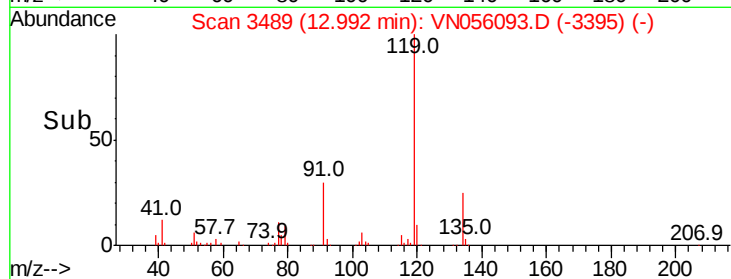
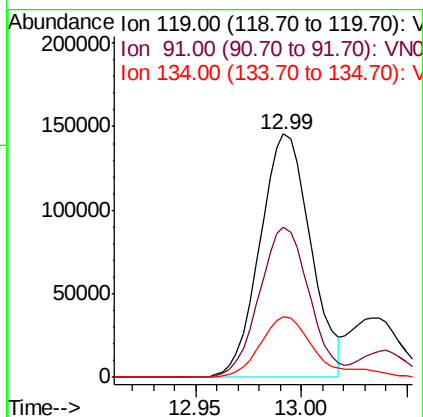
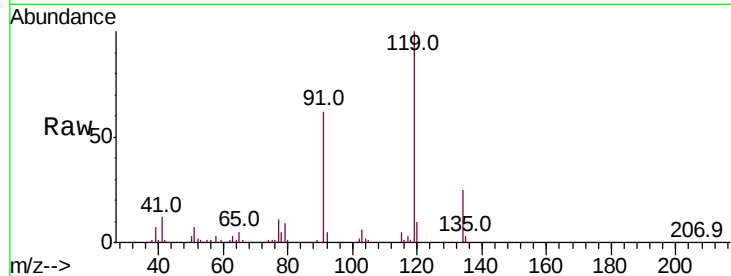
#83
tert-Butylbenzene
Concen: 21.108 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.9	92.8
134	27.3	13.3	39.8

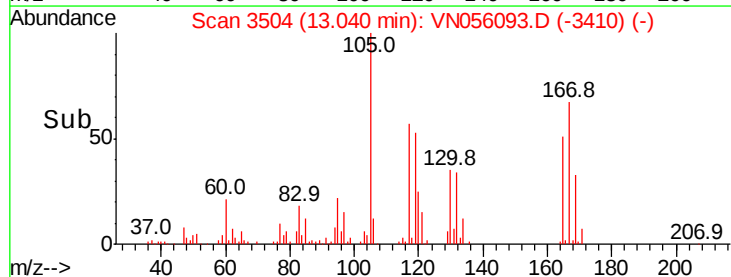
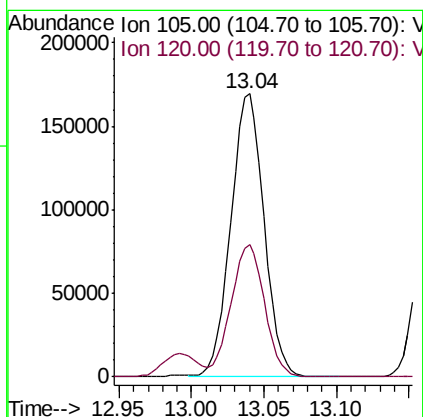
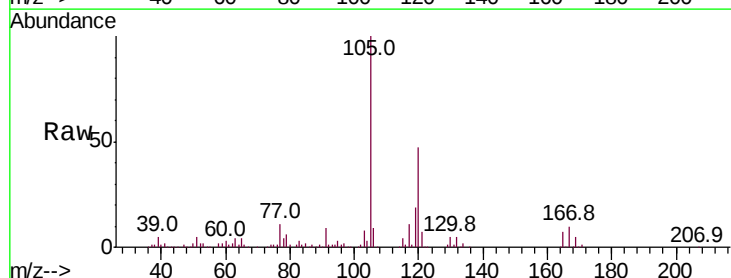
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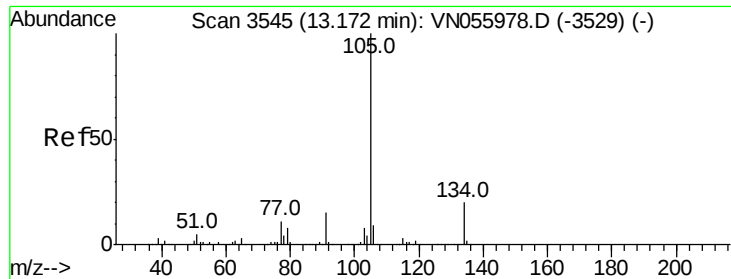
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#84
1,2,4-Trimethylbenzene
Concen: 20.571 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.0	69.0





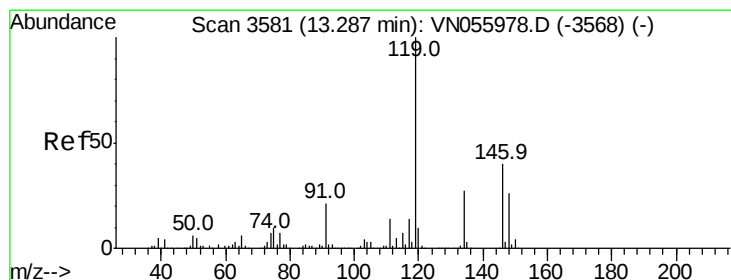
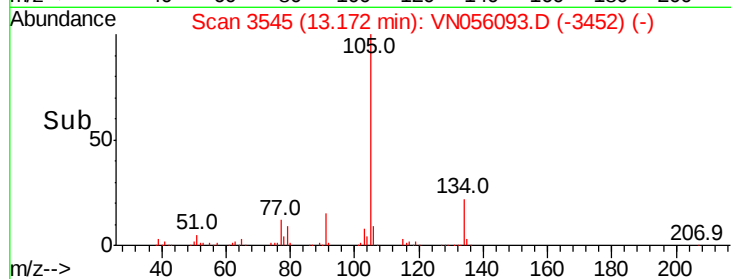
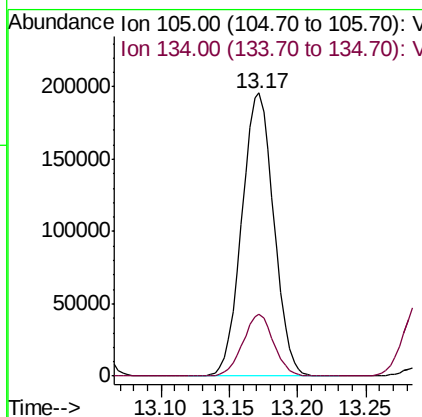
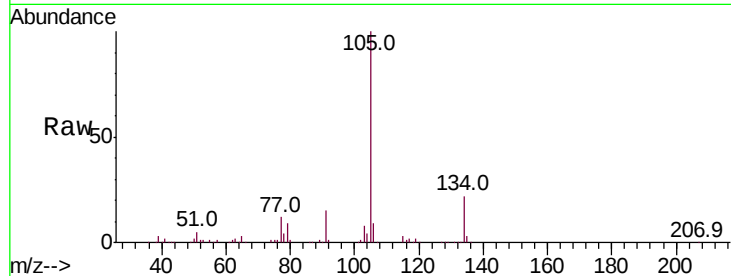
#85
 sec-Butylbenzene
 Concen: 20.698 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.2

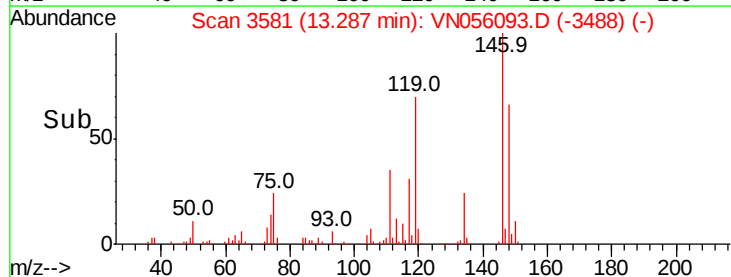
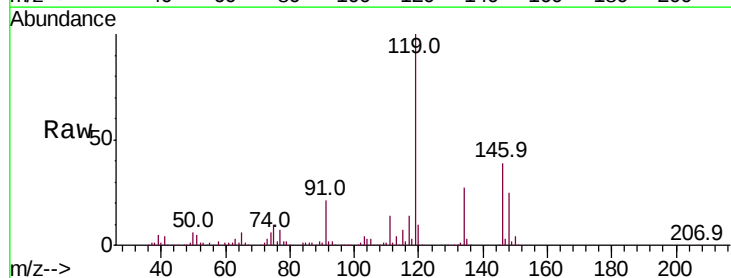
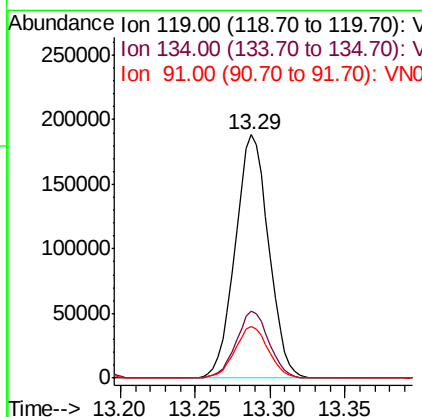
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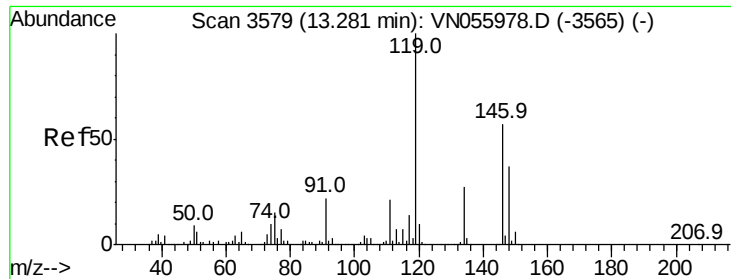
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#86
 p-Isopropyltoluene
 Concen: 21.226 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.1
91	21.1	10.9	32.9





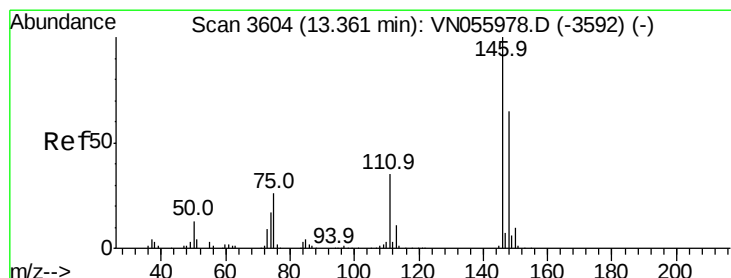
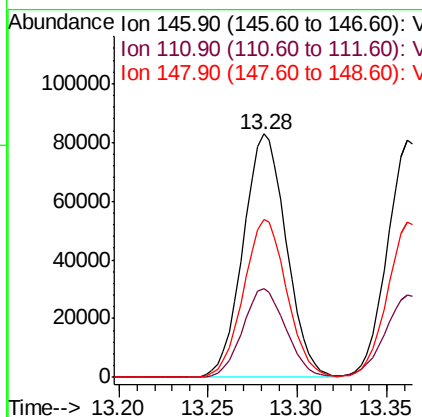
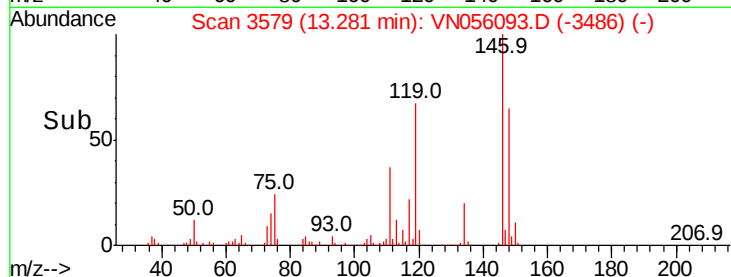
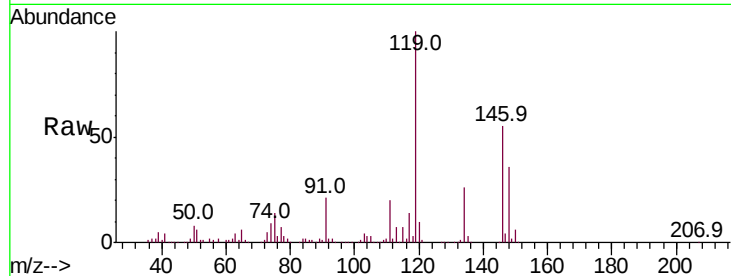
#87
 1,3-Dichlorobenzene
 Concen: 20.596 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.5	55.5
148	64.9	32.0	96.2

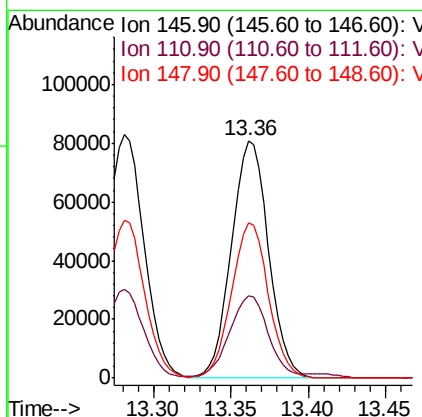
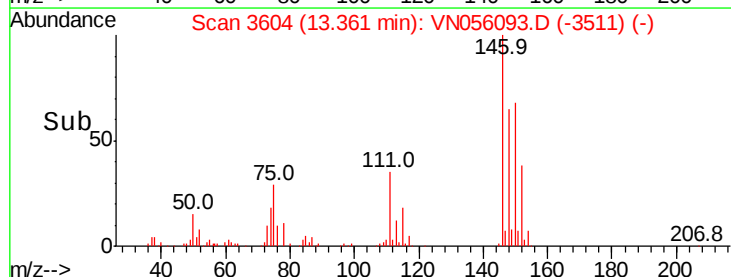
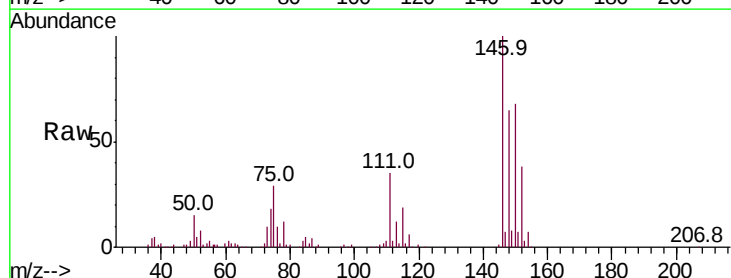
Manual Integrations
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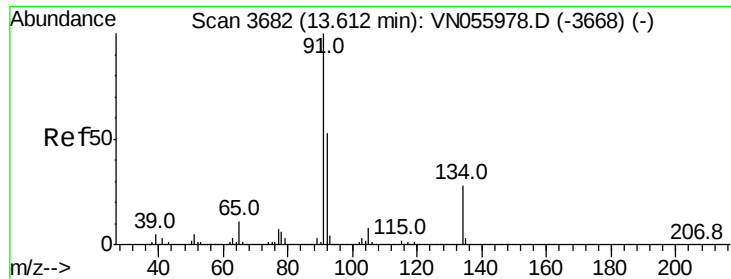
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#88
 1,4-Dichlorobenzene
 Concen: 20.543 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.1	54.4
148	65.0	32.1	96.5





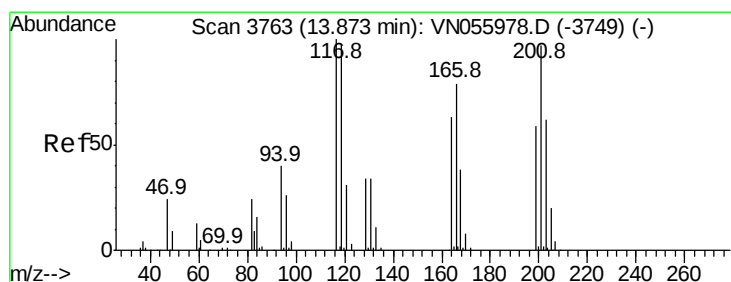
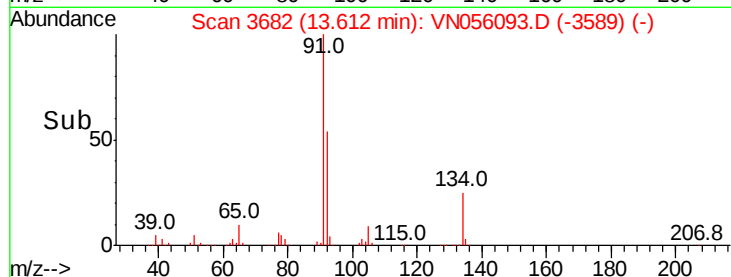
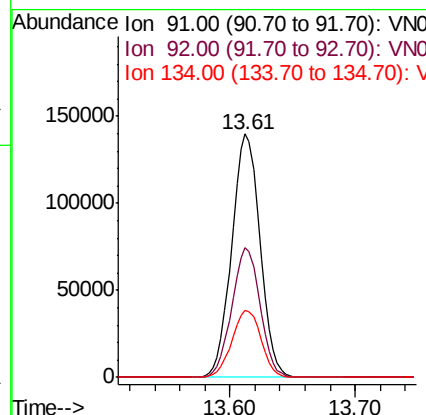
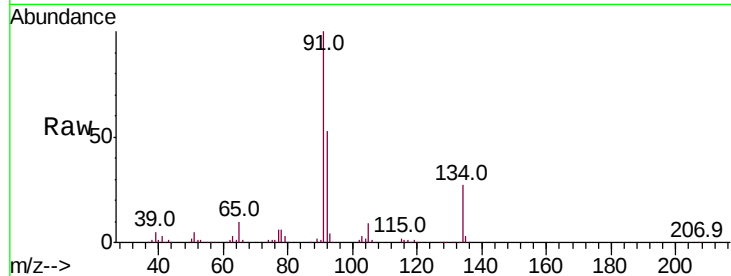
#89
n-Butylbenzene
Concen: 21.449 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.4	79.0	
134	28.2	13.9	41.7	

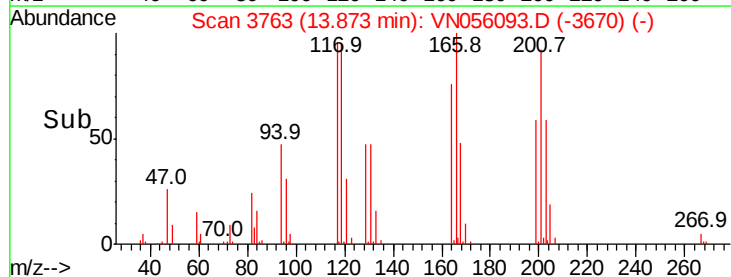
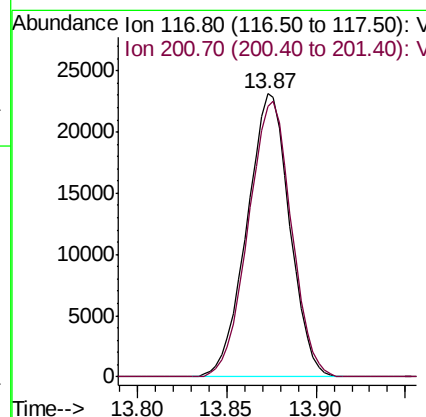
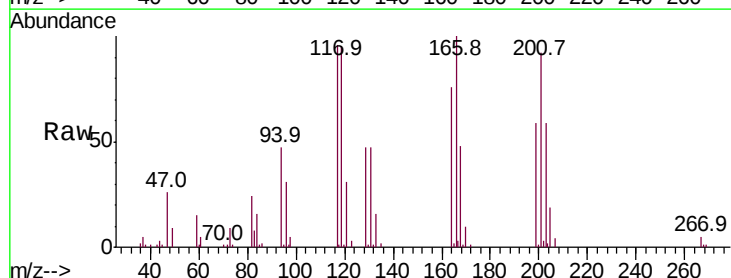
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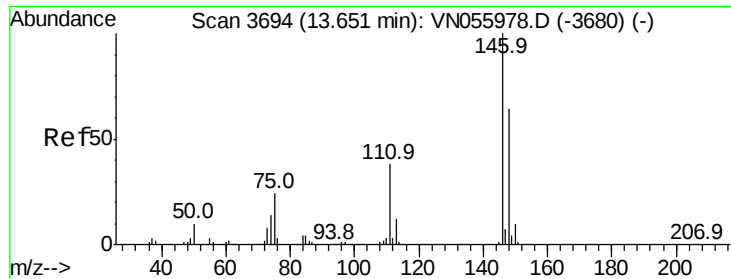
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#90
Hexachloroethane
Concen: 18.604 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056093.D
Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	98.3	50.0	150.0	





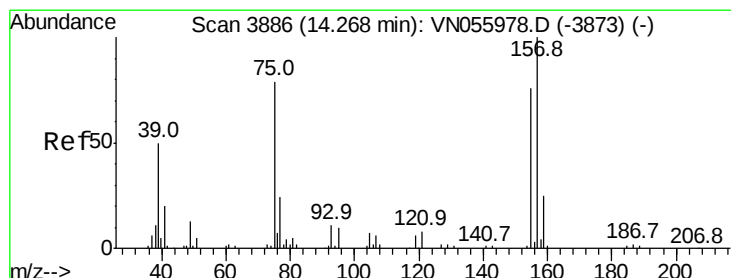
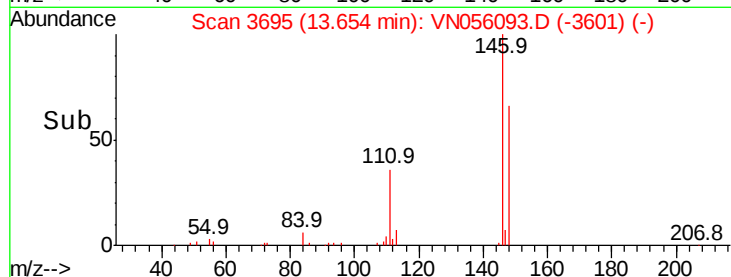
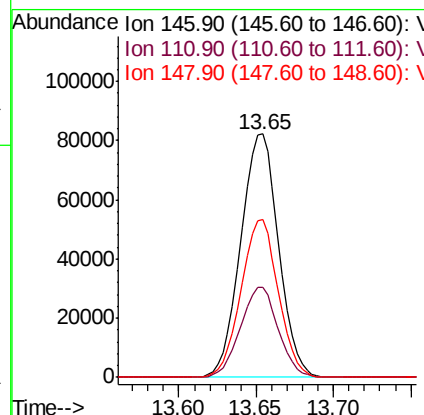
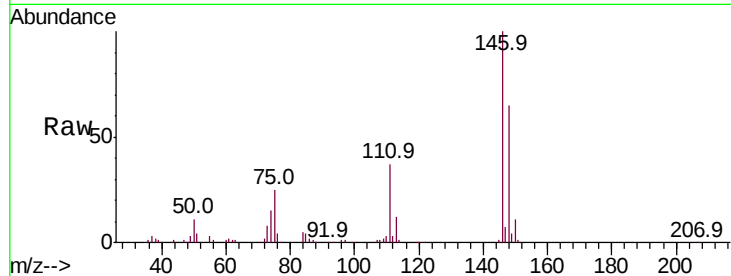
#91
 1,2-Dichlorobenzene
 Concen: 20.346 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.5
148	63.8	31.9	95.9

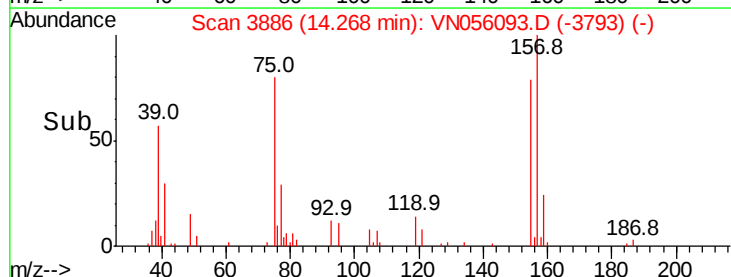
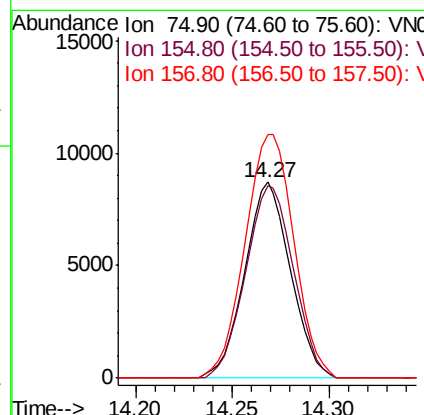
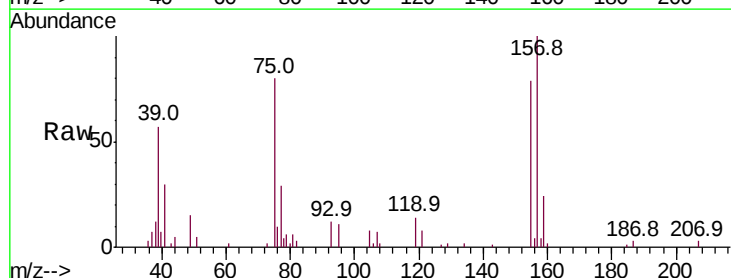
Manual Integrations
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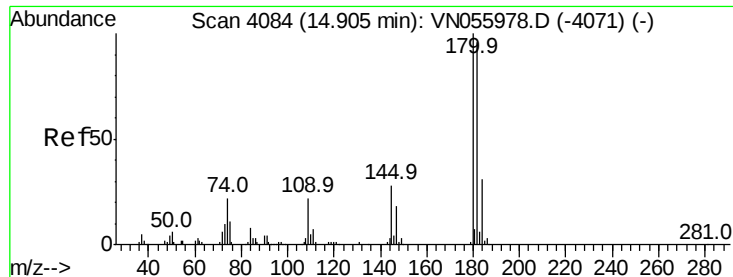
MMDadoda
 6/10/2019 11:27:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.017 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	50.0	150.1
157	132.5	64.8	194.3





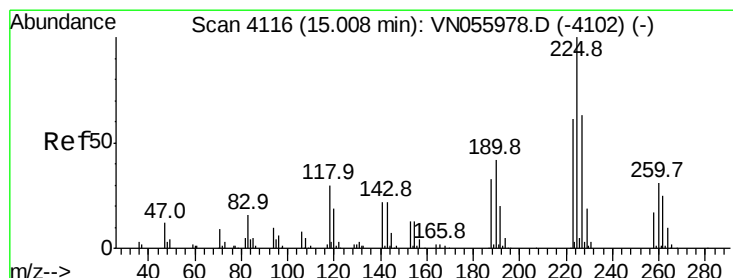
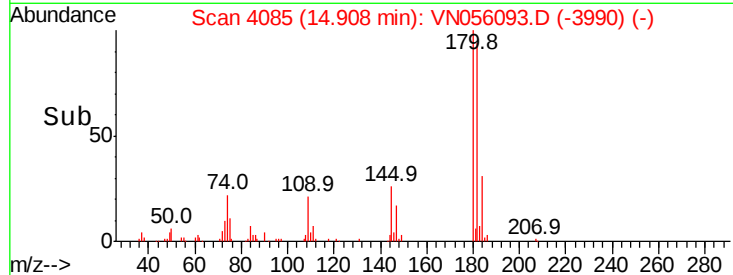
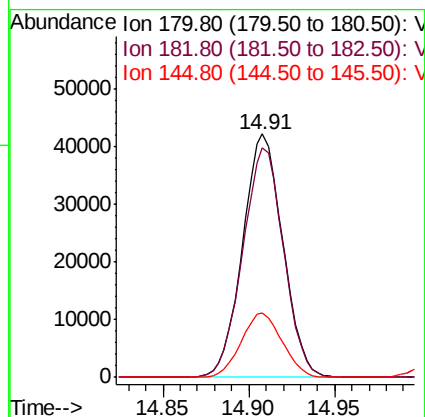
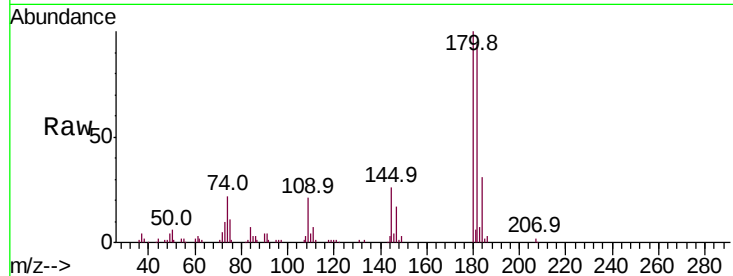
#93
 1,2,4-Trichlorobenzene
 Concen: 20.803 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS02

Manual Integrations
 APPROVED

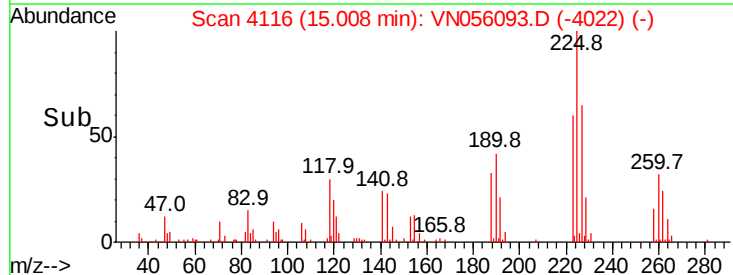
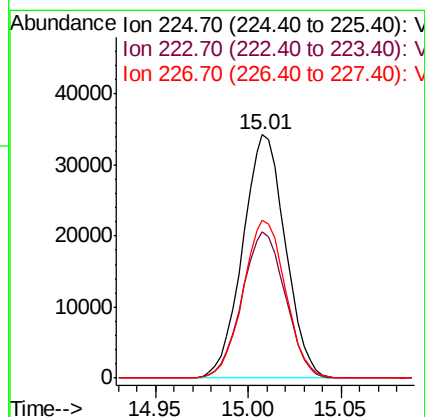
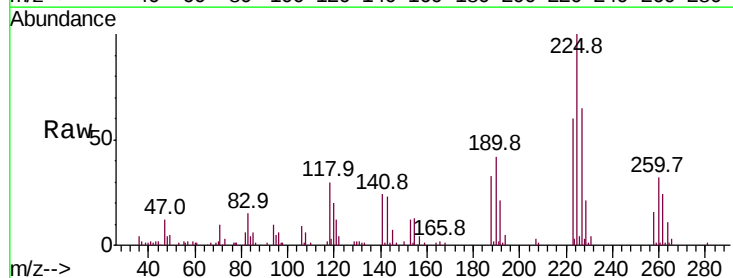
MMDadoda
 6/10/2019 11:27:06 AM

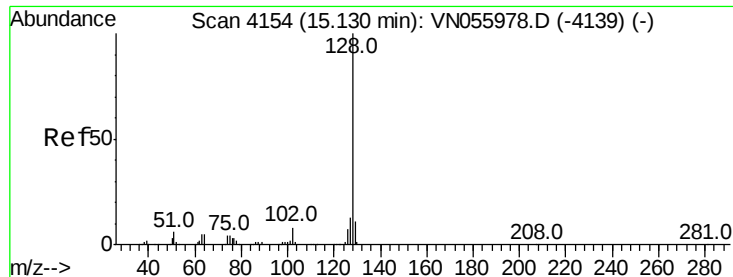
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.3	144.9
145	27.0	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 22.030 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056093.D
 Acq: 7 Jun 2019 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	30.9	92.7
227	64.6	31.6	94.7





#95

Naphthalene

Concen: 21.626 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Instrument :

MSVOA_N

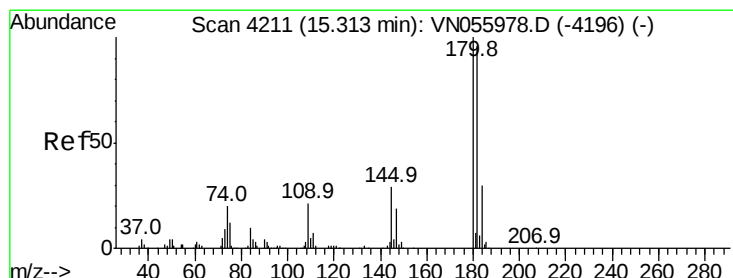
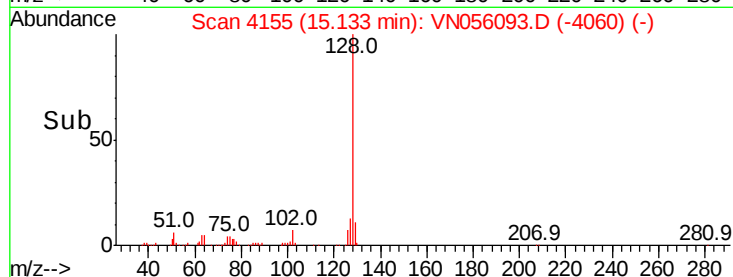
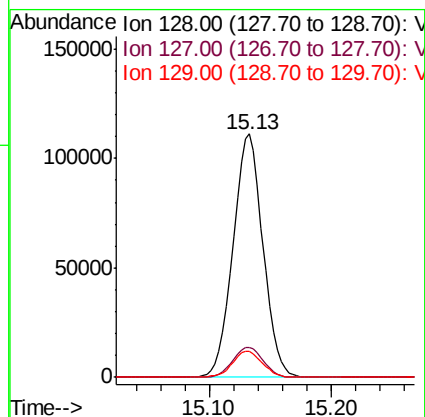
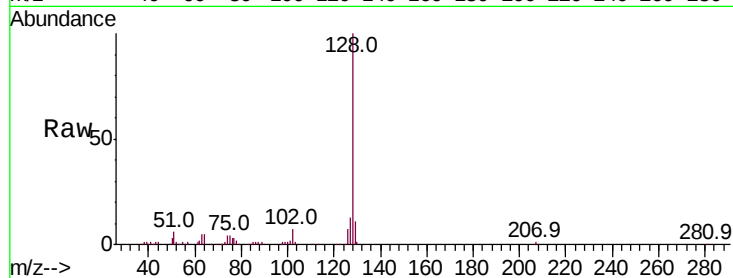
ClientSampleId :

VN0608WBS02

Tot Ion:	128	Resp:	189300
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.617 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056093.D

Acq: 7 Jun 2019 12:26

Tgt Ion:	180	Resp:	76394
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.7
145	29.4	14.9	44.7

