

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056852.D
 Acq On : 22 Jul 2019 12:45
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:14 PM

Quant Time: Jul 23 01:25:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	346869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	525404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	460565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	183185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	79906	20.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.98%	
35) Dibromofluoromethane	7.59	113	69910	21.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.62%	
50) Toluene-d8	10.09	98	269233	21.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.54%	
62) 4-Bromofluorobenzene	12.40	95	82716	19.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86485	24.777	ug/l	98
3) Chloromethane	2.06	50	98828	21.717	ug/l	100
4) Vinyl Chloride	2.18	62	92706	21.308	ug/l	99
5) Bromomethane	2.56	94	54447	21.337	ug/l	98
6) Chloroethane	2.70	64	49977	20.022	ug/l	98
7) Trichlorofluoromethane	3.01	101	111189	20.234	ug/l	99
8) Diethyl Ether	3.41	74	40366	19.171	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68524	20.704	ug/l	98
10) Methyl Iodide	3.94	142	89428	20.058	ug/l	98
11) Tert butyl alcohol	4.81	59	54244	86.858	ug/l	98
12) 1,1-Dichloroethene	3.73	96	68506	20.647	ug/l	98
13) Acrolein	3.60	56	38844	135.691	ug/l	99
14) Allyl chloride	4.32	41	108869	19.192	ug/l	99
15) Acrylonitrile	4.99	53	160682	88.164	ug/l	98
16) Acetone	3.82	43	128748	75.816	ug/l	97
17) Carbon Disulfide	4.04	76	177082	20.048	ug/l	99
18) Methyl Acetate	4.33	43	92338	19.012	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	198616	19.015	ug/l	98
20) Methylene Chloride	4.55	84	78477	20.003	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	71524	20.468	ug/l	93
22) Diisopropyl ether	5.96	45	228728	20.326	ug/l	98
23) Vinyl Acetate	5.90	43	808434	90.624	ug/l	100
24) 1,1-Dichloroethane	5.84	63	130875	20.041	ug/l	99
25) 2-Butanone	6.84	43	194098	77.489	ug/l	100
26) 2,2-Dichloropropane	6.82	77	90109	19.338	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	81789	20.397	ug/l	99
28) Bromochloromethane	7.19	49	60771	19.942	ug/l	100
29) Tetrahydrofuran	7.22	42	135582	82.389	ug/l	100
30) Chloroform	7.37	83	130529	19.958	ug/l	98
31) Cyclohexane	7.65	56	125537	20.172	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	106195	20.511	ug/l	99
36) 1,1-Dichloropropene	7.79	75	97510	19.781	ug/l	99
37) Ethyl Acetate	6.93	43	83509	17.785	ug/l	99
38) Carbon Tetrachloride	7.77	117	92911	20.106	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120752	19.849	ug/l	98
40) Benzene	8.04	78	304174	20.145	ug/l	99
41) Methacrylonitrile	7.18	41	41770m	19.990	ug/l	
42) 1,2-Dichloroethane	8.12	62	96826	20.358	ug/l	100
43) Isopropyl Acetate	8.17	43	132783	17.858	ug/l	99
44) Trichloroethene	8.83	130	81415	19.835	ug/l	99
45) 1,2-Dichloropropane	9.12	63	81802	20.436	ug/l	99
46) Dibromomethane	9.21	93	49690	20.092	ug/l	99
47) Bromodichloromethane	9.40	83	93690	19.890	ug/l	96
48) Methyl methacrylate	9.20	41	66930	18.510	ug/l	100
49) 1,4-Dioxane	9.20	88	27021	361.659	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	406822	85.161	ug/l	99
52) Toluene	10.15	92	186275	20.743	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	94675	19.327	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	114636	20.112	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	72148	19.328	ug/l	98
56) Ethyl methacrylate	10.43	69	101590	19.134	ug/l	99
57) 1,3-Dichloropropane	10.71	76	119980	19.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	211378	84.542	ug/l	98
59) 2-Hexanone	10.75	43	281883	83.043	ug/l	97
60) Dibromochloromethane	10.90	129	73038	19.870	ug/l	99
61) 1,2-Dibromoethane	11.00	107	73025	19.667	ug/l	99
64) Tetrachloroethene	10.63	164	79594	19.742	ug/l	98
65) Chlorobenzene	11.43	112	192475	20.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	72700	20.708	ug/l	99
67) Ethyl Benzene	11.51	91	339392	20.270	ug/l	100
68) m/p-Xylenes	11.62	106	253279	40.497	ug/l	100
69) o-Xylene	11.94	106	122472	19.913	ug/l	97
70) Styrene	11.96	104	199335	20.069	ug/l	99
71) Bromoform	12.12	173	49288	18.742	ug/l #	100
73) Isopropylbenzene	12.25	105	326620	21.731	ug/l	99
74) N-amyl acetate	12.07	43	106598	19.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94711	19.100	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	79864m	20.059	ug/l	
77) Bromobenzene	12.52	156	83361	21.221	ug/l	99
78) n-propylbenzene	12.59	91	343318	20.679	ug/l	99
79) 2-Chlorotoluene	12.67	91	213931	20.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	276506	21.763	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	23552	18.356	ug/l	94
82) 4-Chlorotoluene	12.77	91	198202	20.330	ug/l	99
83) tert-Butylbenzene	12.99	119	236996	21.380	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	267938	21.629	ug/l	100
85) sec-Butylbenzene	13.17	105	302835	21.416	ug/l	99
86) p-Isopropyltoluene	13.28	119	272427	21.309	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	128448	20.108	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	123871	19.941	ug/l	99
89) n-Butylbenzene	13.61	91	206013	20.122	ug/l	99
90) Hexachloroethane	13.87	117	45148	21.663	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	129581	19.867	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13576	17.488	ug/l	97

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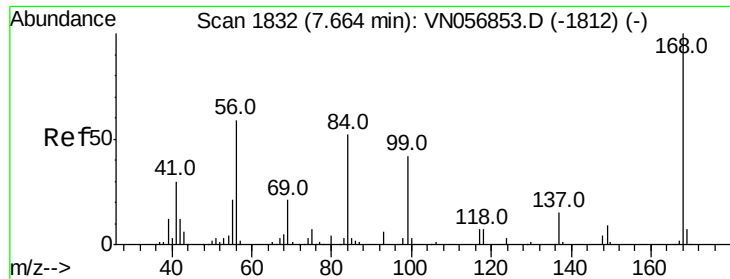
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	50961	17.347	ug/l	99
94) Hexachlorobutadiene	15.01	225	47125	20.047	ug/l	98
95) Naphthalene	15.13	128	128839	16.411	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	59186	19.274	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 346869

Ion Ratio Lower Upper

168 100

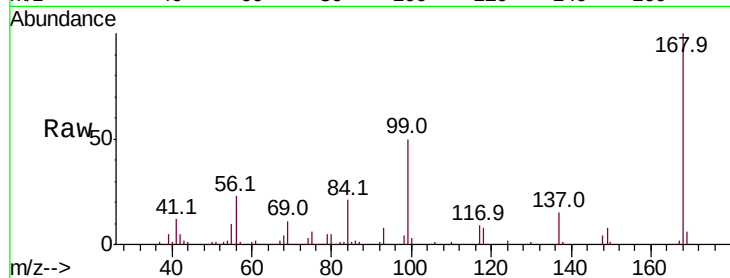
99 50.2 40.9 61.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

150000

100000

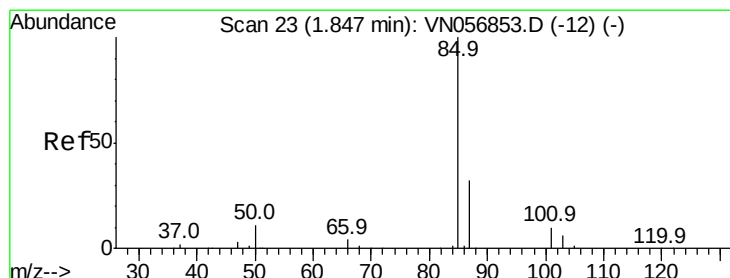
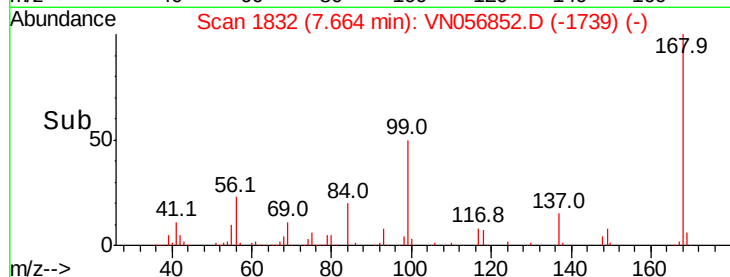
50000

0

7.66

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 24.777 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056852.D

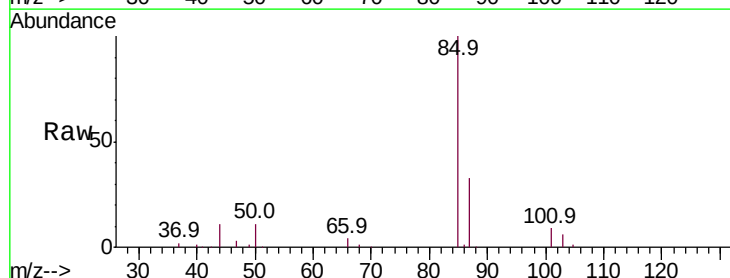
Acq: 22 Jul 2019 12:45

Tgt Ion: 85 Resp: 86485

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

60000

40000

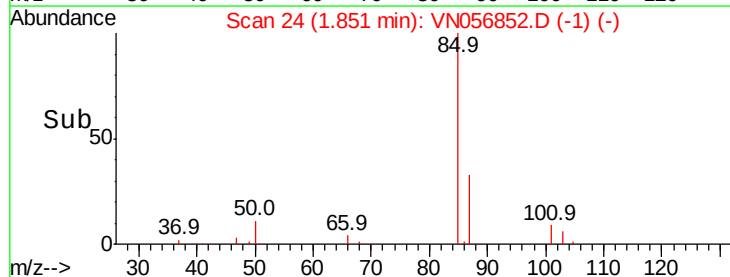
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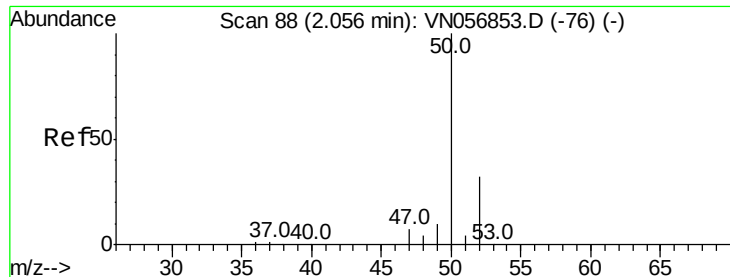
0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.717 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 98828

Ion Ratio Lower Upper

50 100

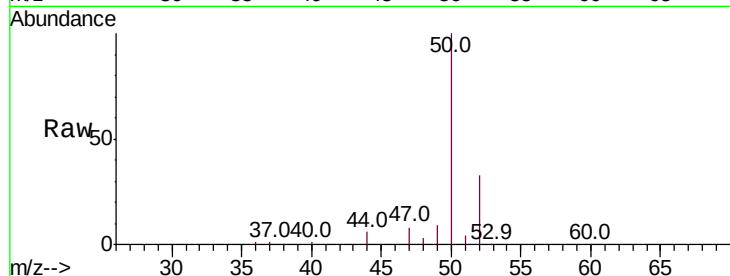
52 32.6 25.9 38.9

Manual Integrations

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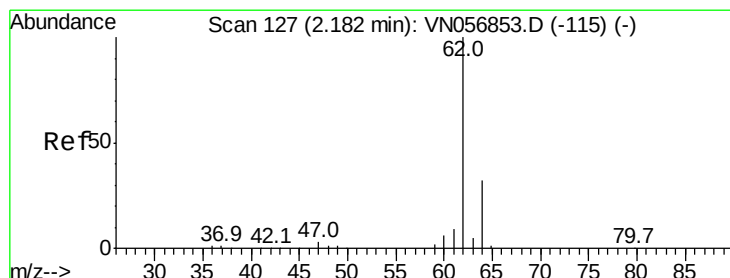
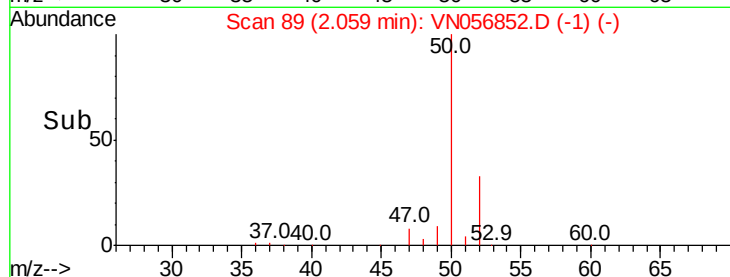
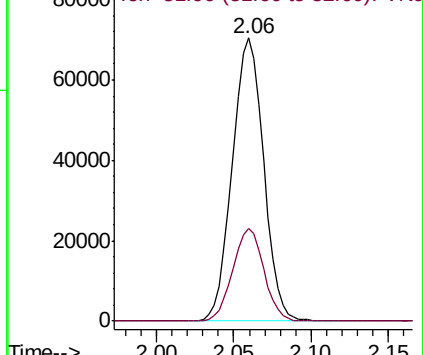
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.308 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056852.D

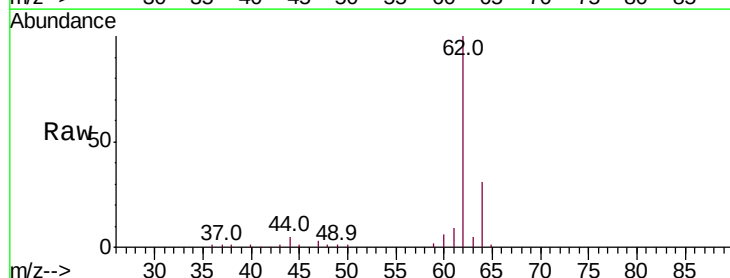
Acq: 22 Jul 2019 12:45

Tgt Ion: 62 Resp: 92706

Ion Ratio Lower Upper

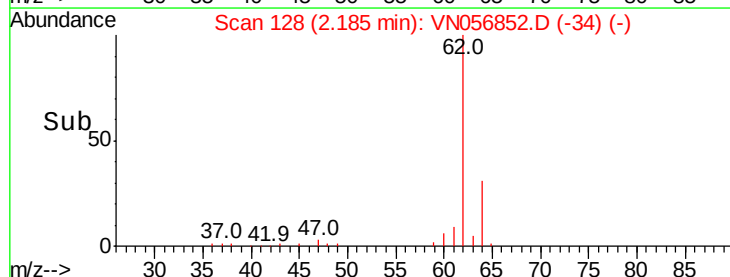
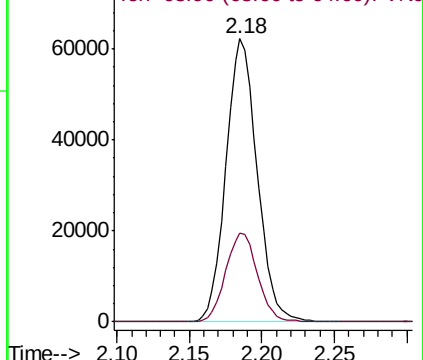
62 100

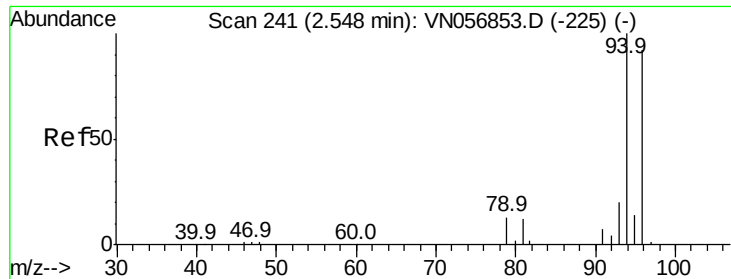
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





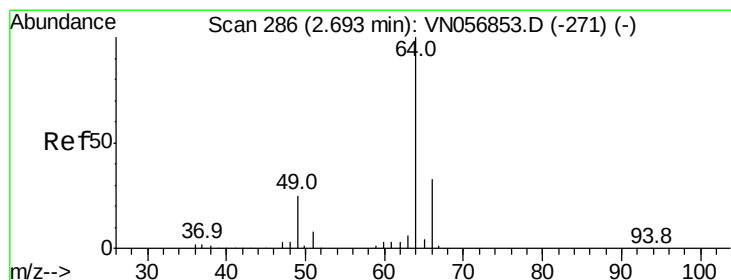
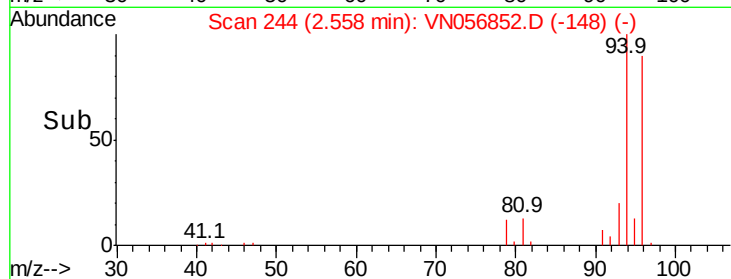
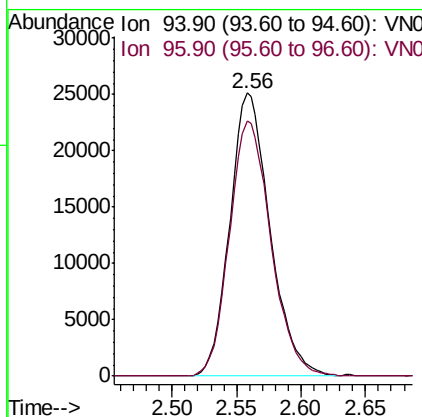
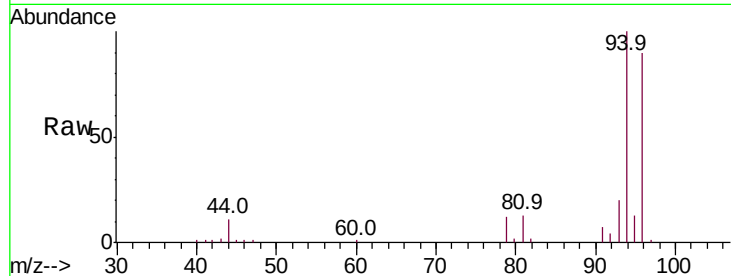
#5
 Bromomethane
 Concen: 21.337 ug/l
 RT: 2.56 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 94 Resp: 54447
 Ion Ratio Lower Upper
 94 100
 96 90.1 73.6 110.4

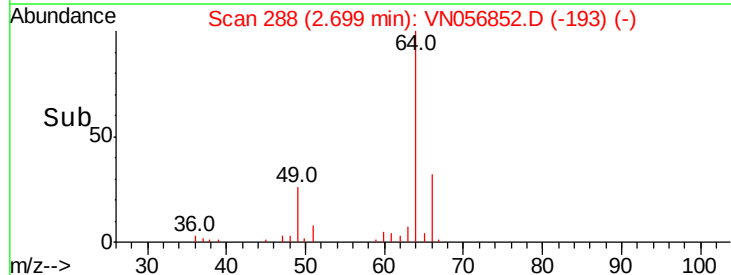
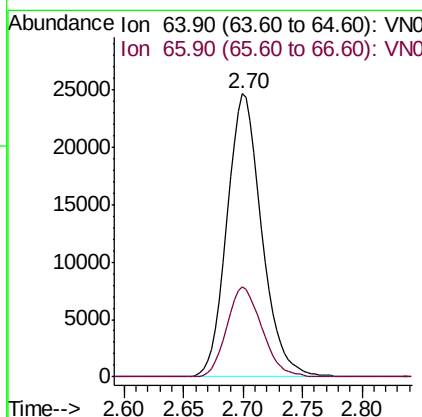
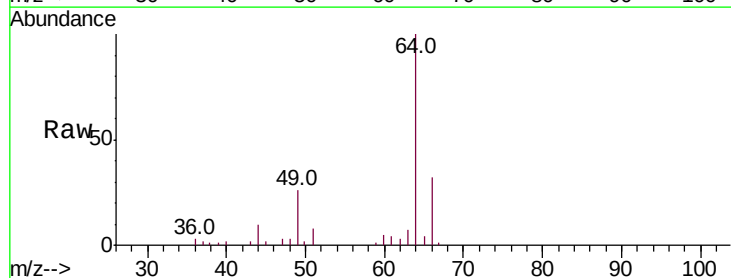
Manual Integrations
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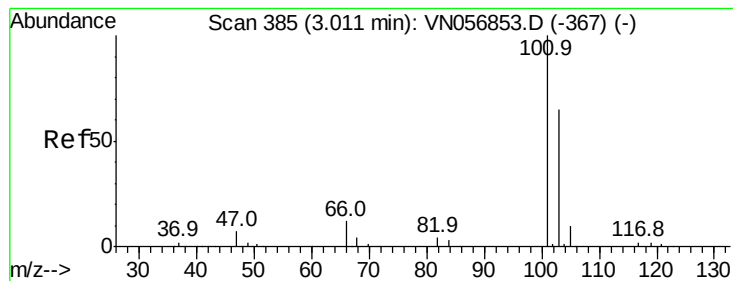
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#6
 Chloroethane
 Concen: 20.022 ug/l
 RT: 2.70 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion: 64 Resp: 49977
 Ion Ratio Lower Upper
 64 100
 66 32.0 26.4 39.6





#7

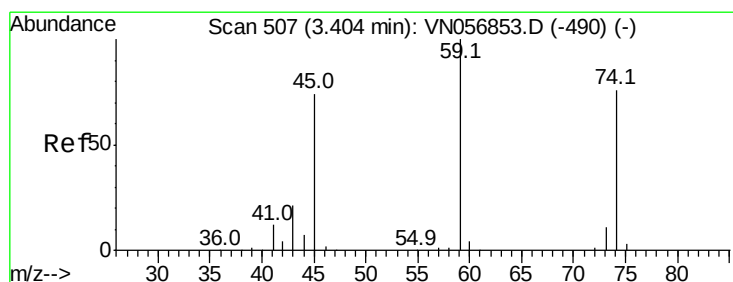
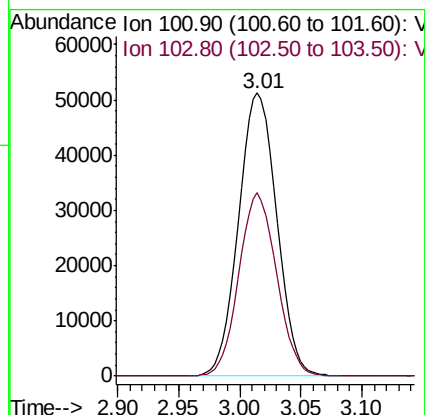
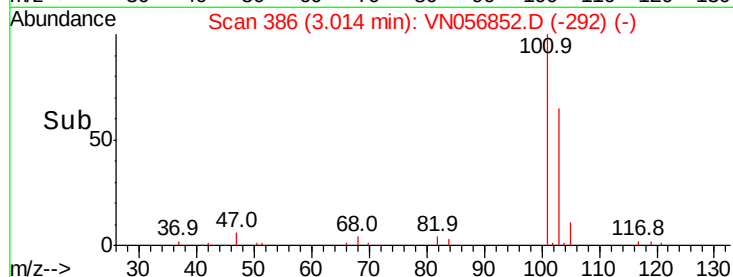
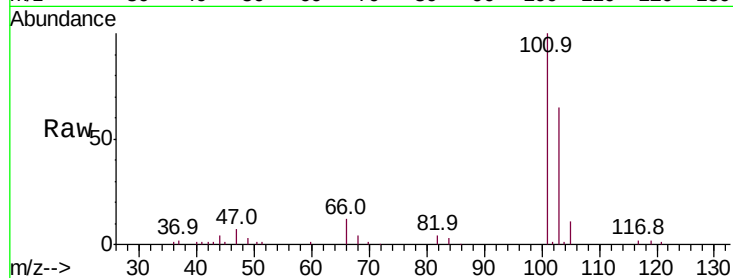
Trichlorofluoromethane
Concen: 20.234 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 111189
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5

Manual Integrations
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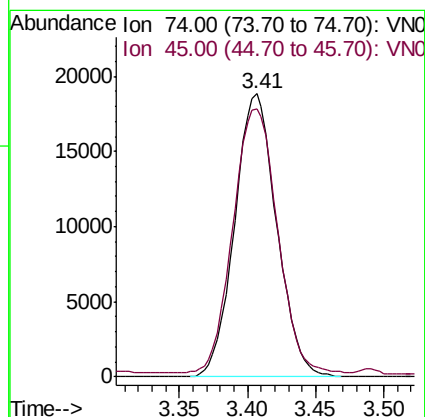
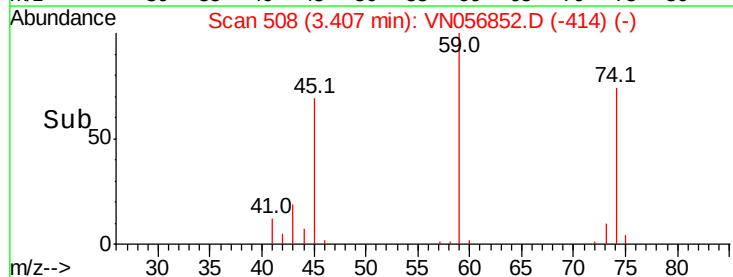
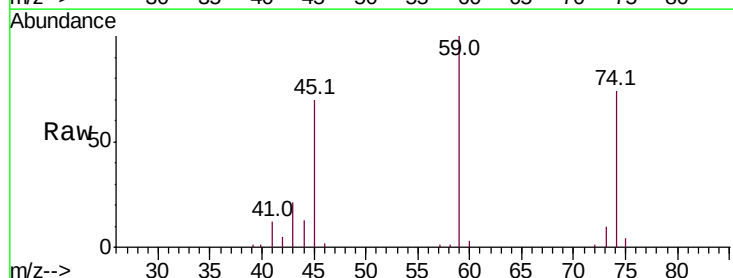
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7/25/2019 3:01:14 PM

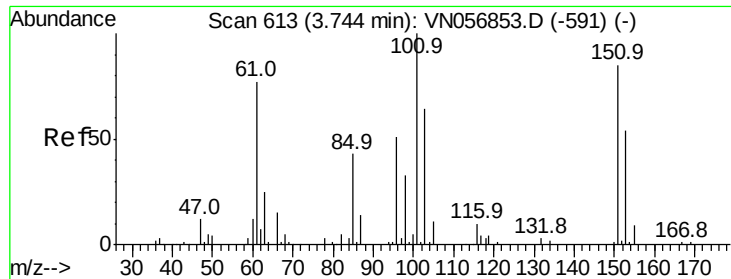


#8

Diethyl Ether
Concen: 19.171 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion: 74 Resp: 40366
Ion Ratio Lower Upper
74 100
45 98.2 49.2 147.6





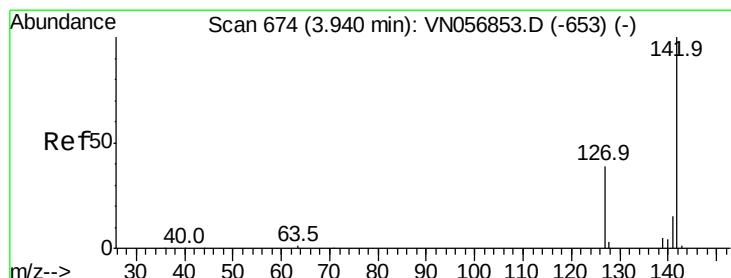
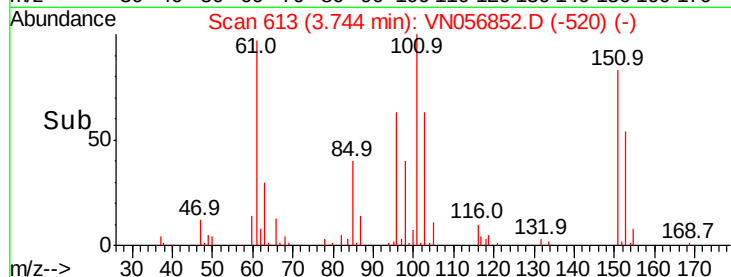
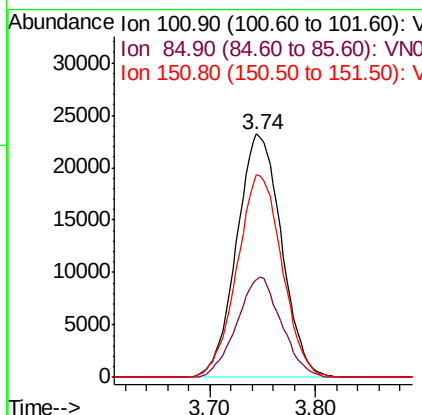
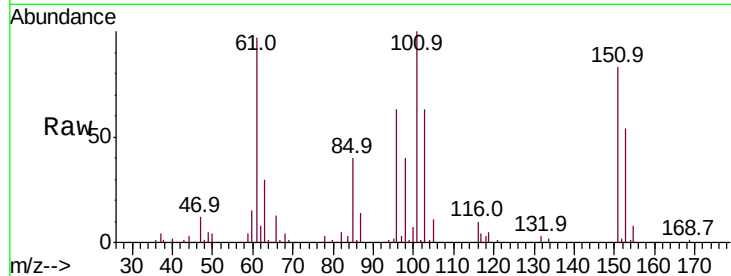
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.704 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

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Tot Ion	Ratio	Lower	Upper
101	100		
85	40.7	33.7	50.5
151	83.5	68.1	102.1

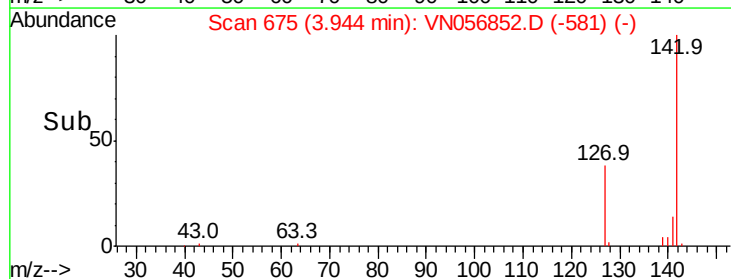
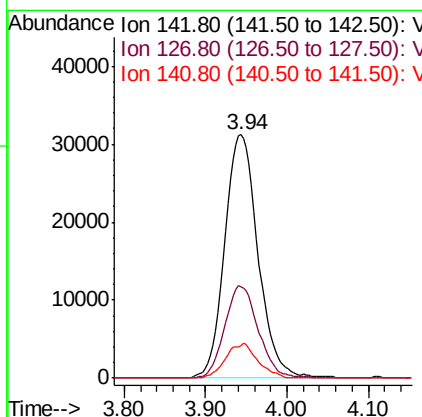
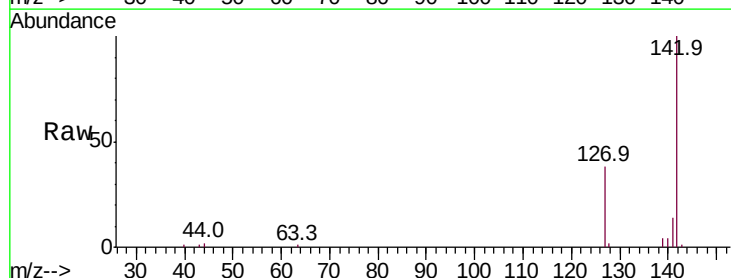
Manual Integrations
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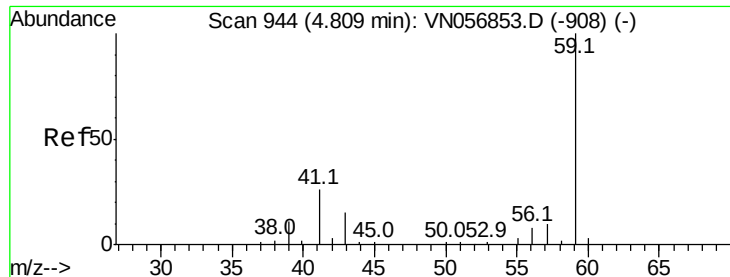
MMDadoda
 7/25/2019 3:01:14 PM



#10
 Methyl Iodide
 Concen: 20.058 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.9	31.2	46.8
141	13.7	11.4	17.2





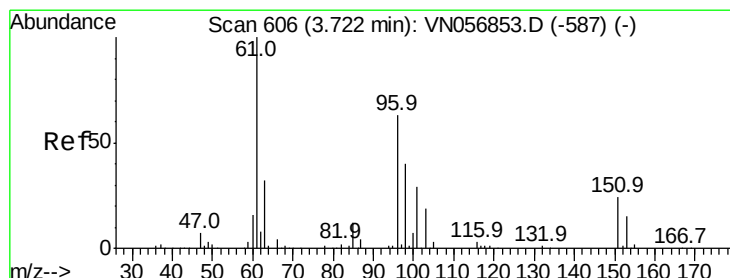
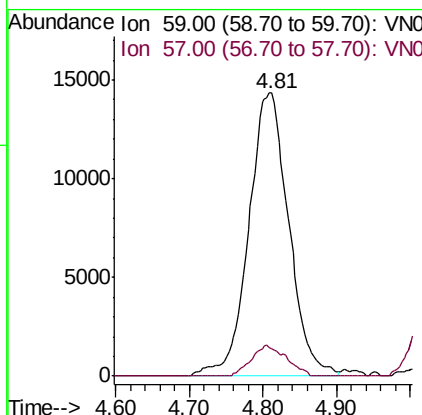
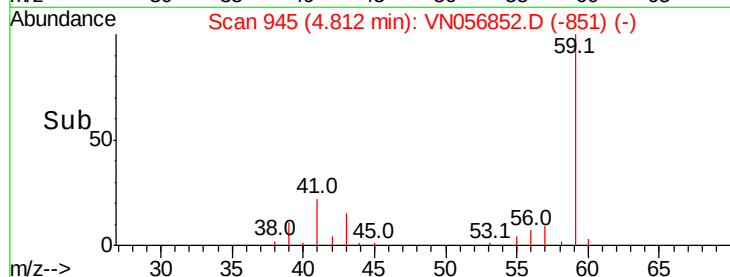
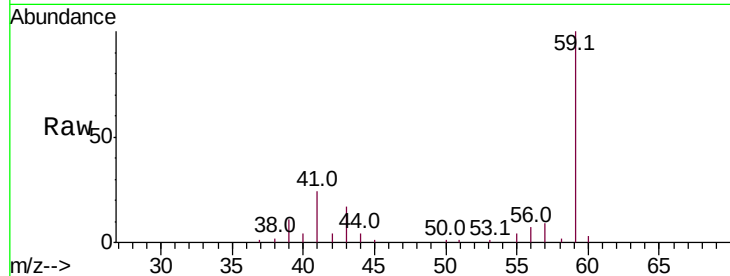
#11
Tert butyl alcohol
Concen: 86.858 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.4

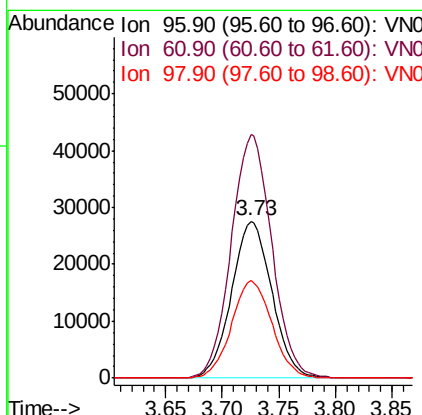
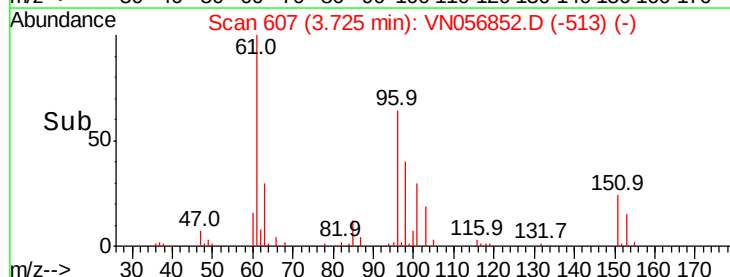
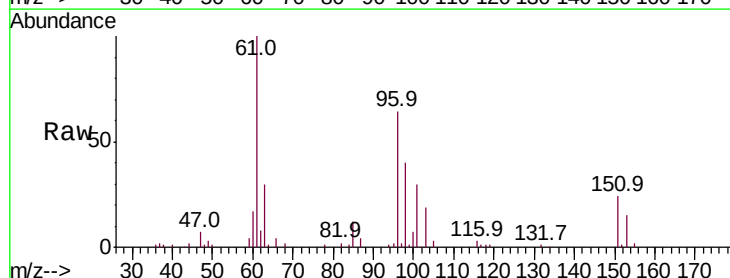
Manual Integrations
APPROVED

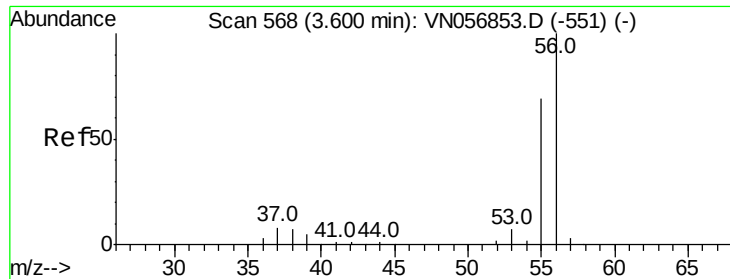
MMDadoda
7/25/2019 3:01:14 PM



#12
1,1-Dichloroethene
Concen: 20.647 ug/l
RT: 3.73 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	126.3	189.5
98	62.1	51.0	76.4





#13

Acrolein

Concen: 135.691 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 38844

Ion Ratio Lower Upper

56 100

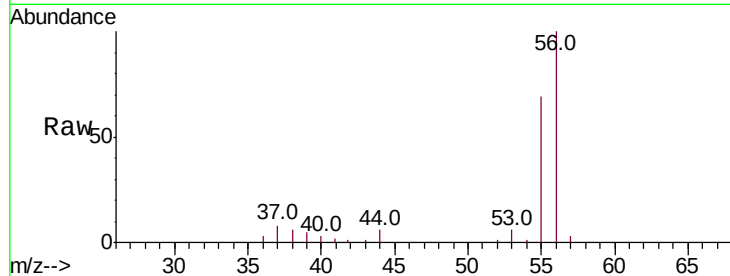
55 70.7 56.2 84.4

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

3.60

15000

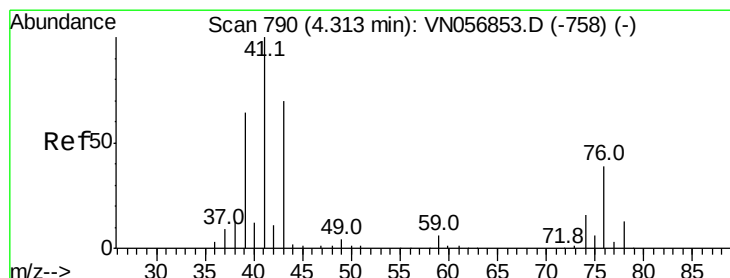
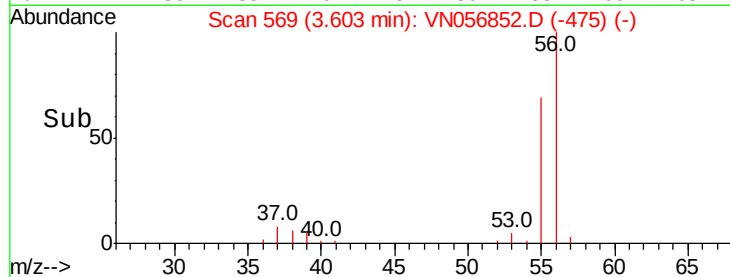
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 19.192 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

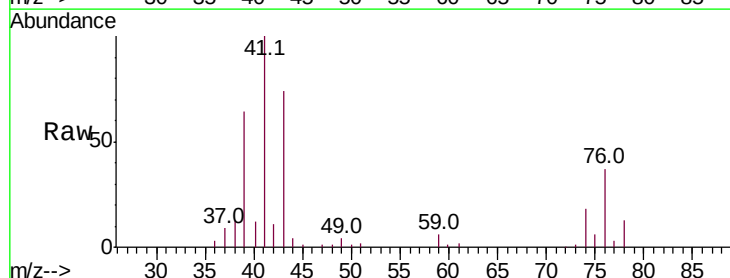
Tgt Ion: 41 Resp: 108869

Ion Ratio Lower Upper

41 100

39 59.9 47.8 71.6

76 34.3 27.9 41.9



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

4.32

40000

30000

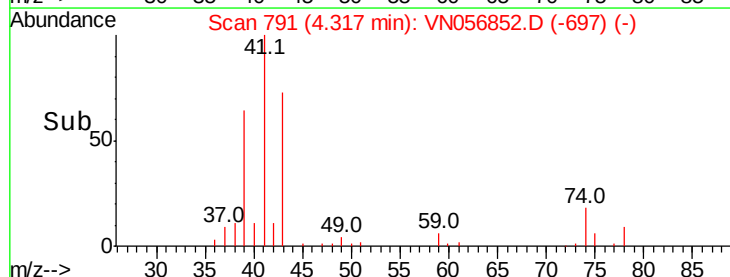
20000

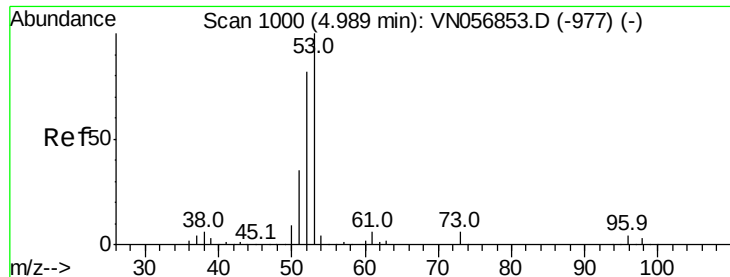
10000

0

Time-->

4.20 4.30 4.40





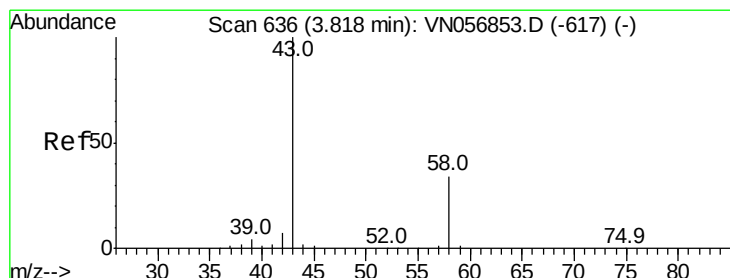
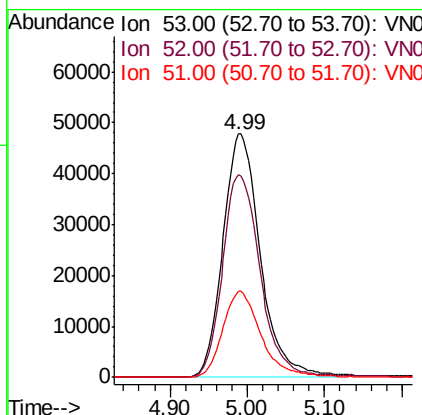
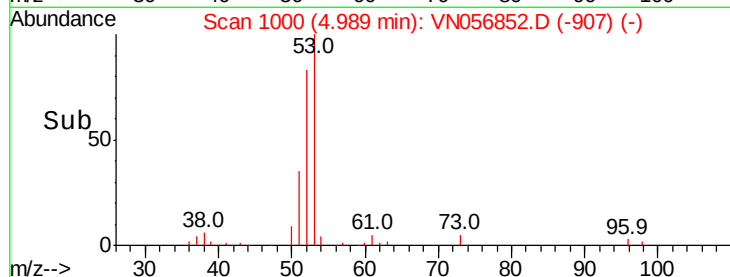
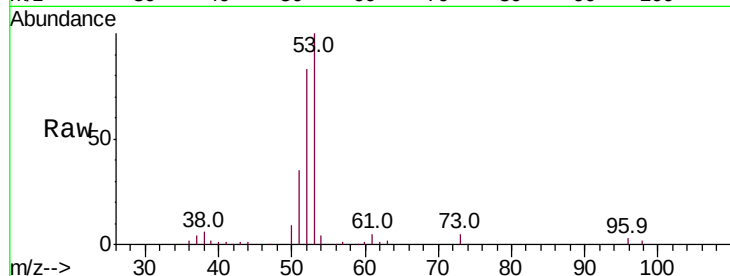
#15
 Acrylonitrile
 Concen: 88.164 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.0	97.6
51	36.0	28.2	42.2

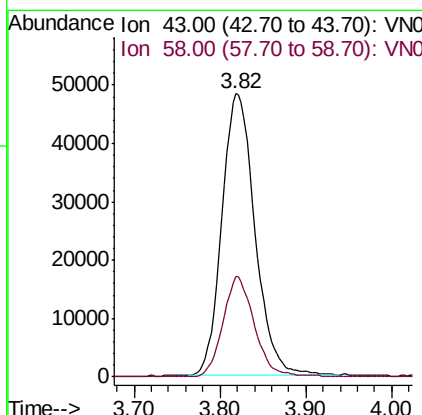
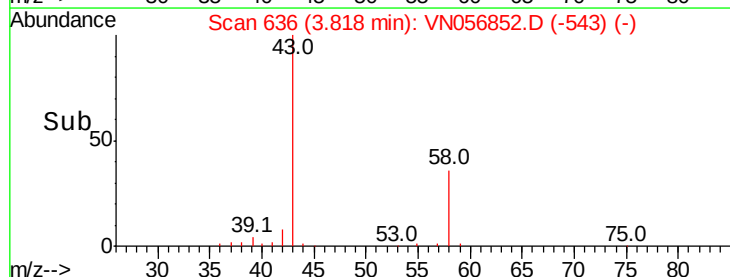
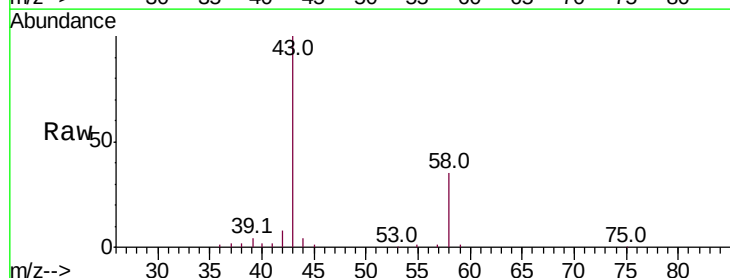
Manual Integrations
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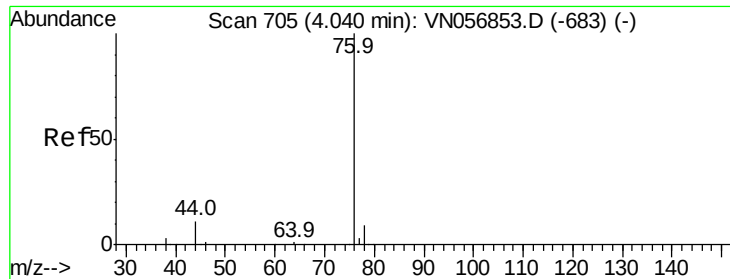
MMDadoda
 7/25/2019 3:01:14 PM



#16
 Acetone
 Concen: 75.816 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.3	40.9





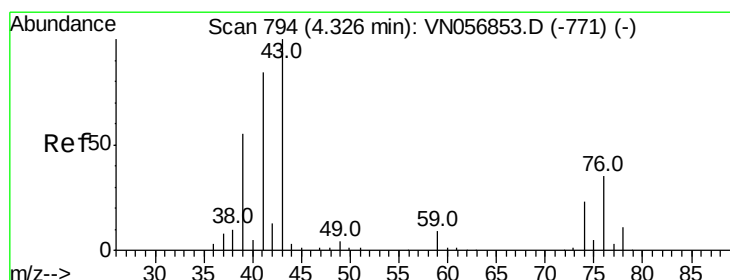
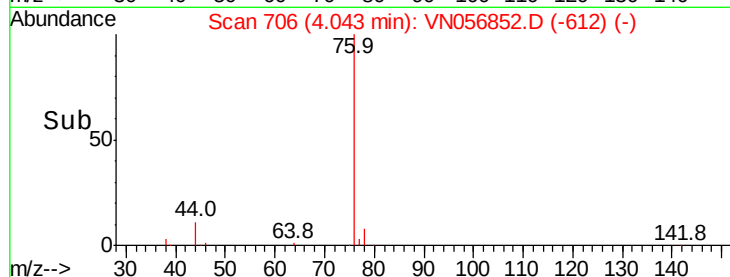
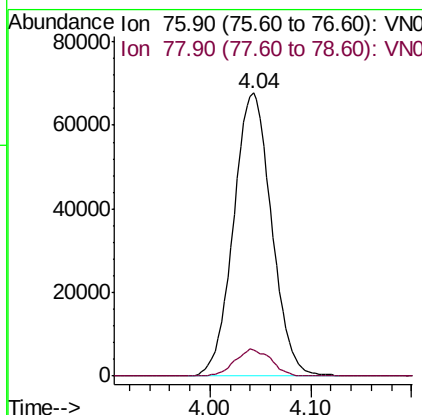
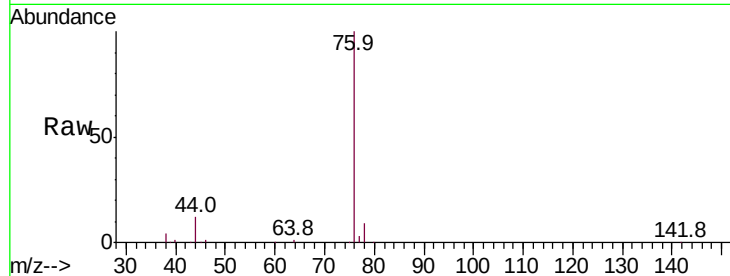
#17
Carbon Disulfide
Concen: 20.048 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 177082
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

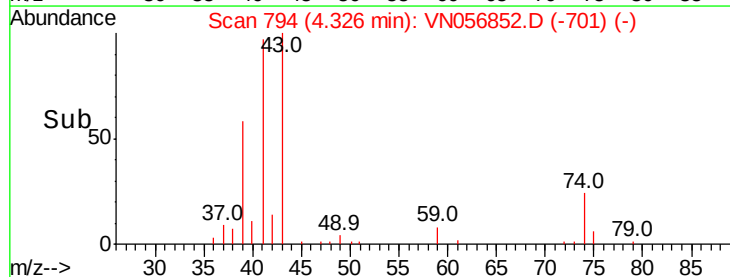
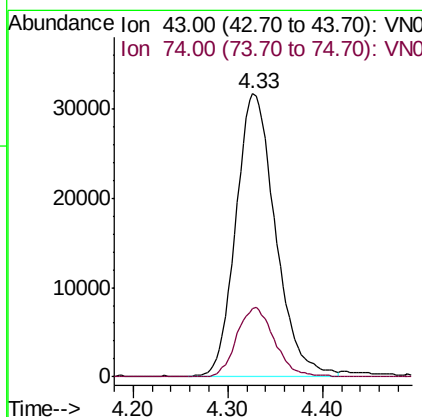
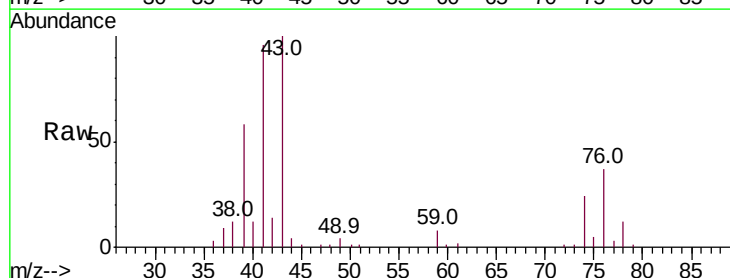
Manual Integrations
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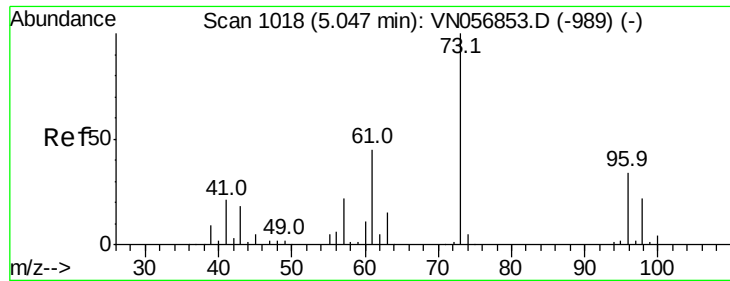
MMDadoda
7/25/2019 3:01:14 PM



#18
Methyl Acetate
Concen: 19.012 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion: 43 Resp: 92338
Ion Ratio Lower Upper
43 100
74 23.3 19.0 28.4





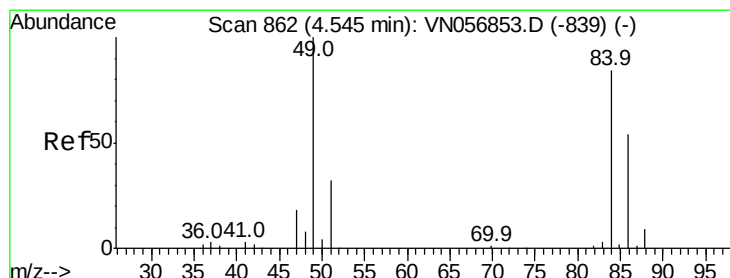
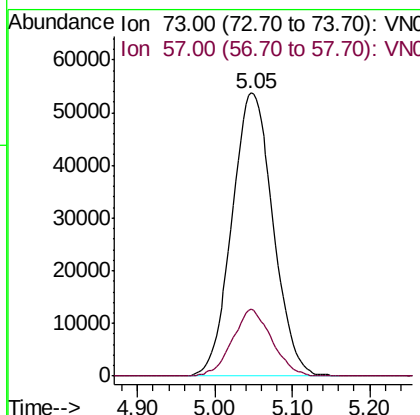
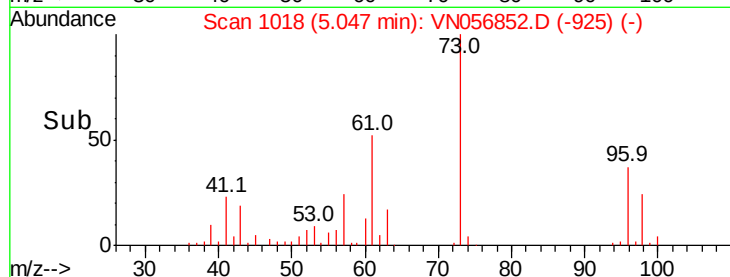
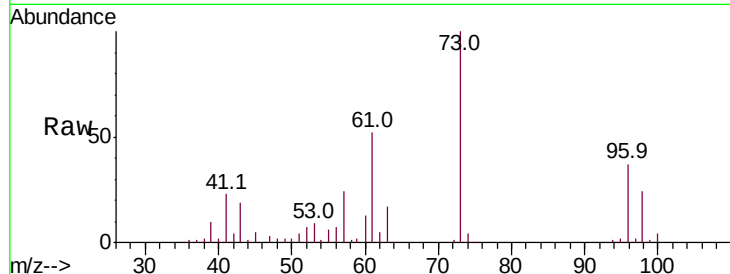
#19
Methvl tert-butvl Ether
Concen: 19.015 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 198616
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0

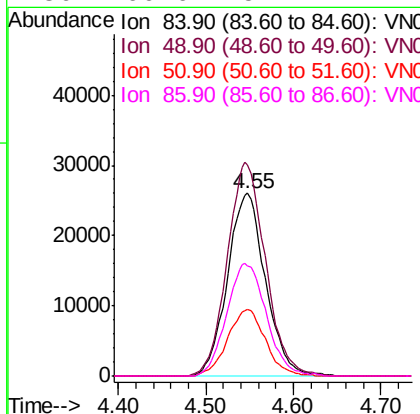
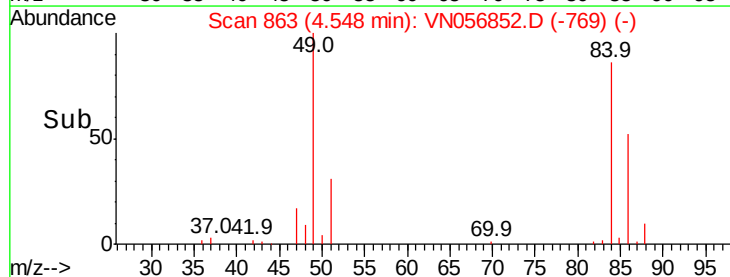
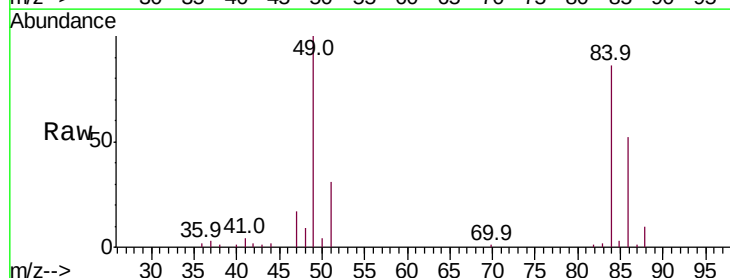
Manual Integrations
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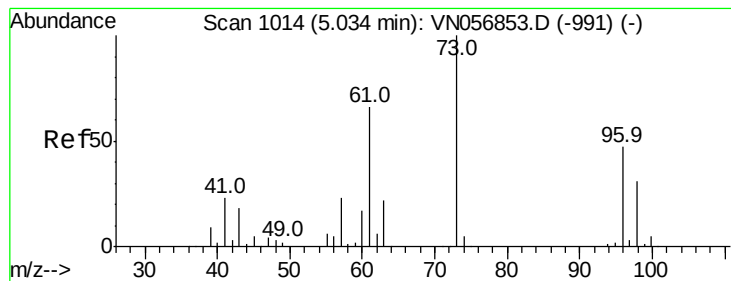
MMDadoda
7/25/2019 3:01:14 PM



#20
Methylene Chloride
Concen: 20.003 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion: 84 Resp: 78477
Ion Ratio Lower Upper
84 100
49 115.7 94.9 142.3
51 36.2 29.9 44.9
86 60.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.468 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 71524

Ion Ratio Lower Upper

96 100

61 132.5 112.8 169.2

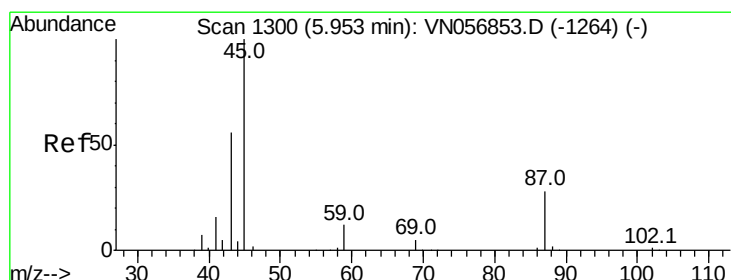
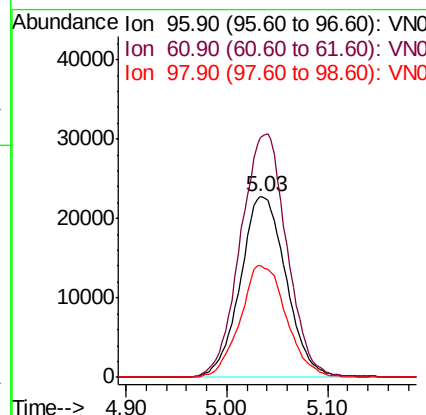
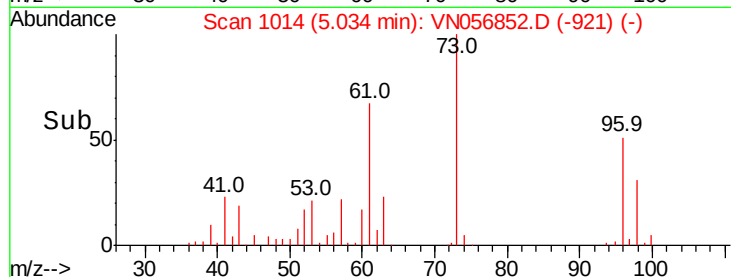
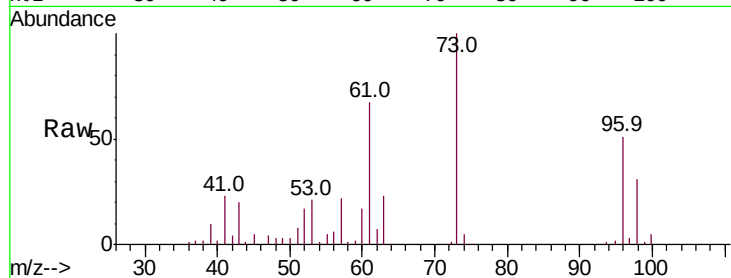
98 61.6 53.3 79.9

Manual Integrations

APPROVED

MMDadoda

7/25/2019 3:01:14 PM



#22

Diisopropyl ether

Concen: 20.326 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Tgt Ion: 45 Resp: 228728

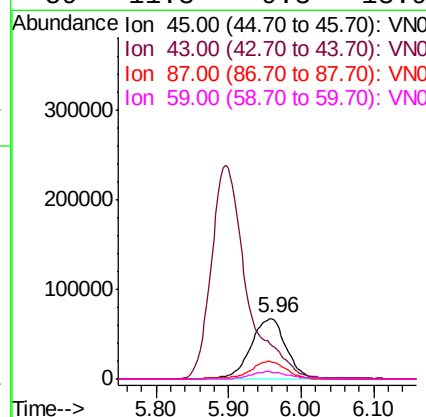
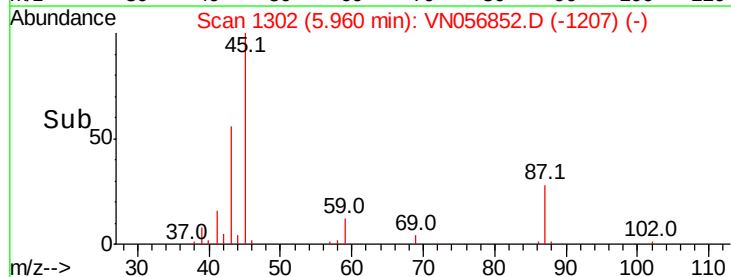
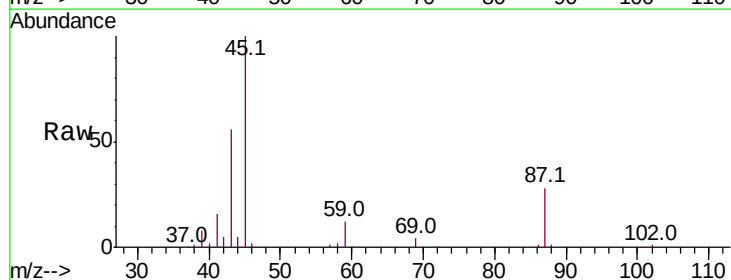
Ion Ratio Lower Upper

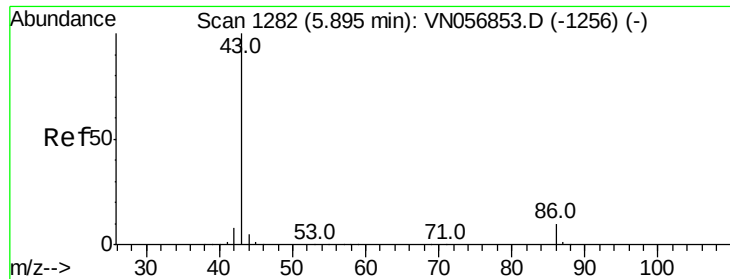
45 100

43 54.5 45.5 68.3

87 28.1 22.7 34.1

59 11.3 9.3 13.9





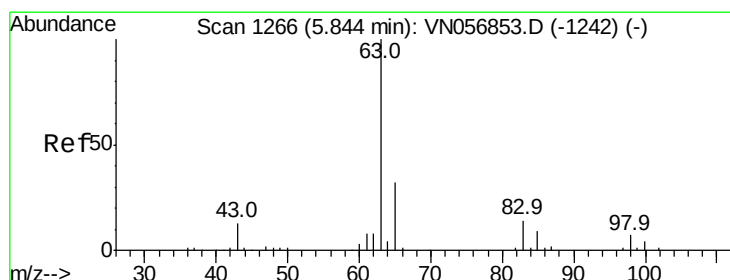
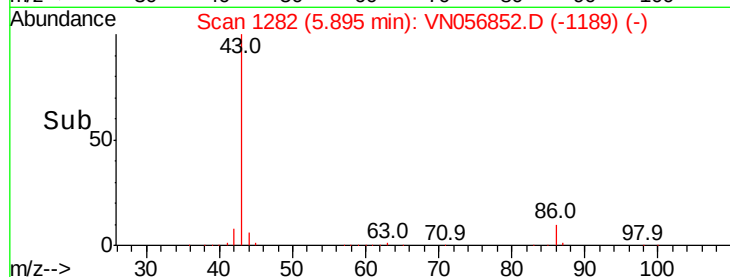
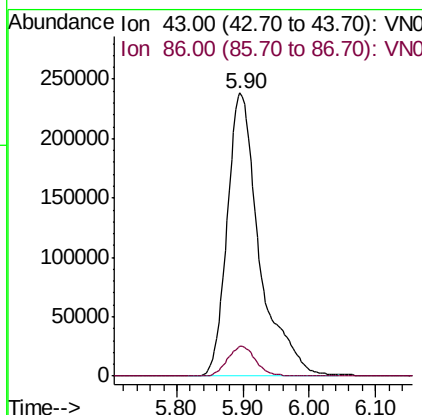
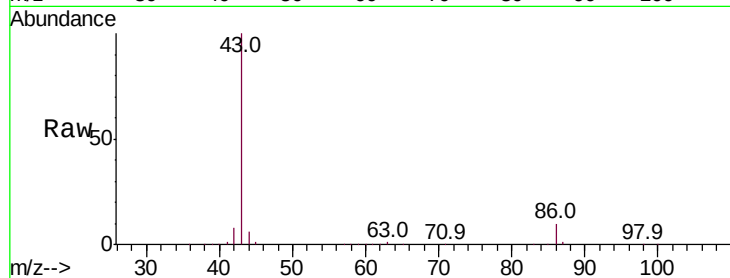
#23
 Vinyl Acetate
 Concen: 90.624 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.4	12.6

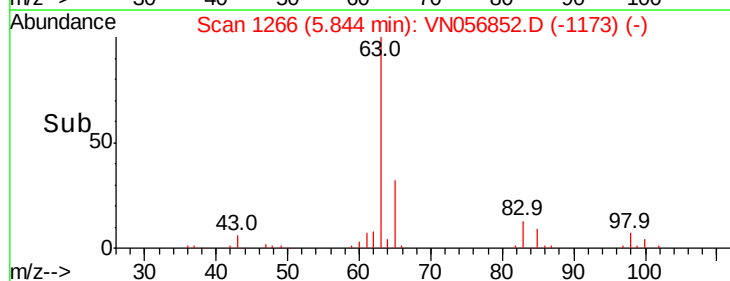
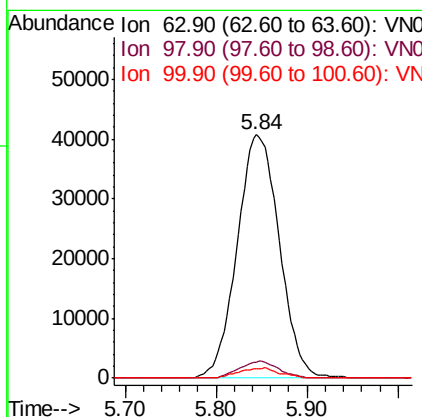
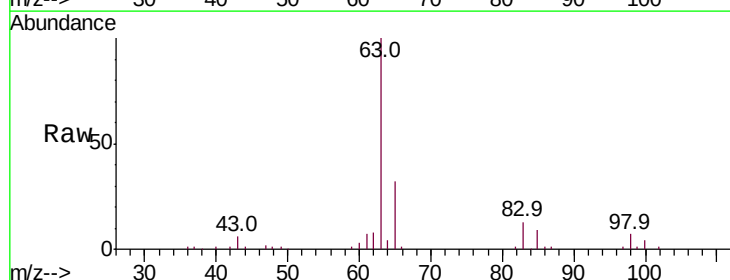
Manual Integrations
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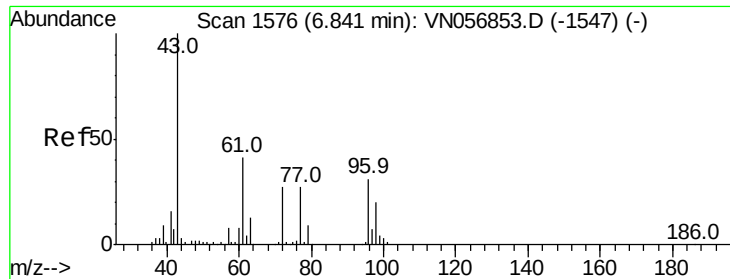
MMDadoda
 7/25/2019 3:01:14 PM



#24
 1,1-Dichloroethane
 Concen: 20.041 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.3	9.9
100	3.6	2.2	6.6





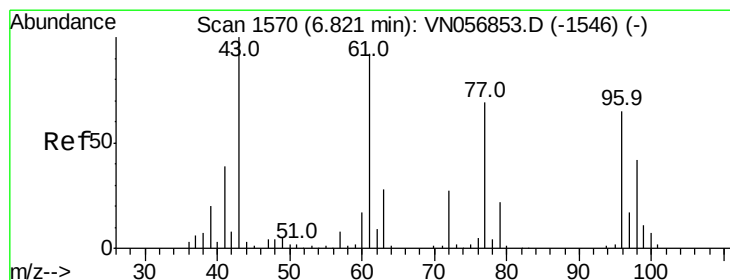
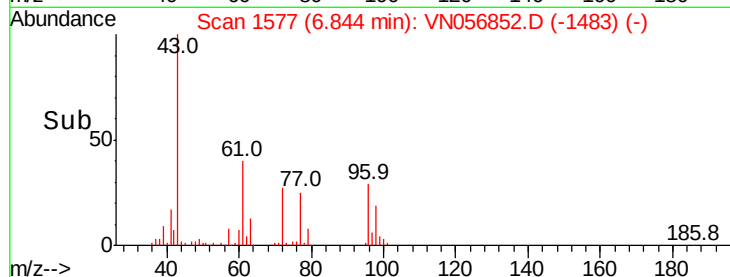
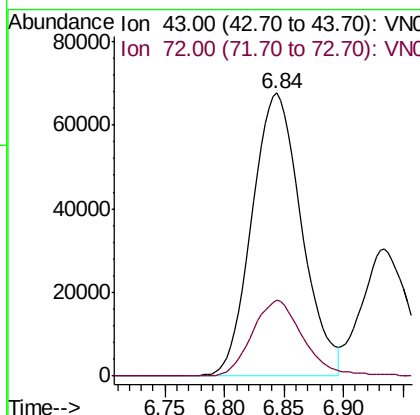
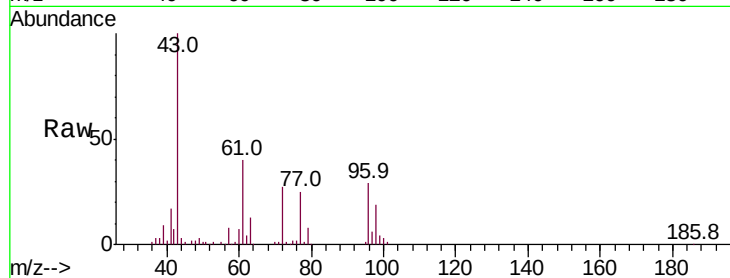
#25
2-Butanone
Concen: 77.489 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 194098
Ion Ratio Lower Upper
43 100
72 26.8 21.5 32.3

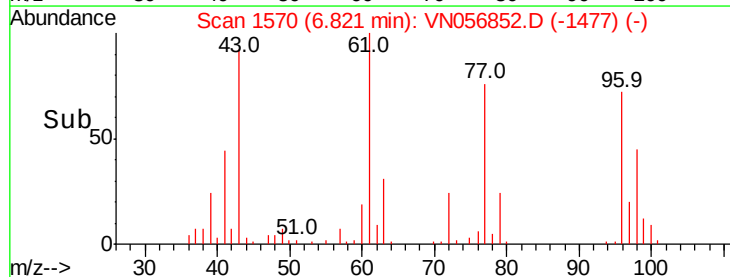
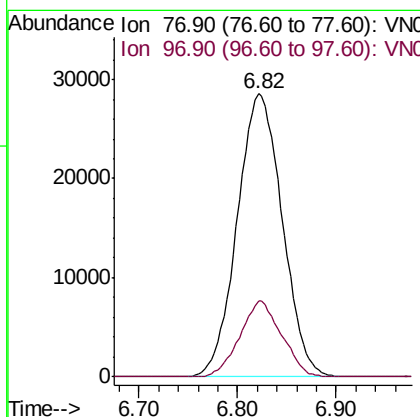
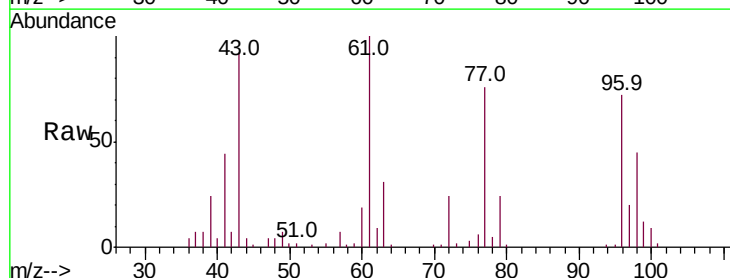
Manual Integrations
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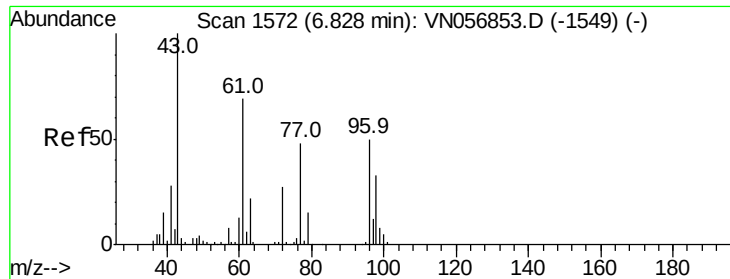
MMDadoda
7/25/2019 3:01:14 PM



#26
2,2-Dichloropropane
Concen: 19.338 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion: 77 Resp: 90109
Ion Ratio Lower Upper
77 100
97 24.8 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 20.397 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 81789

Ion Ratio Lower Upper

96 100

61 139.3 0.0 281.6

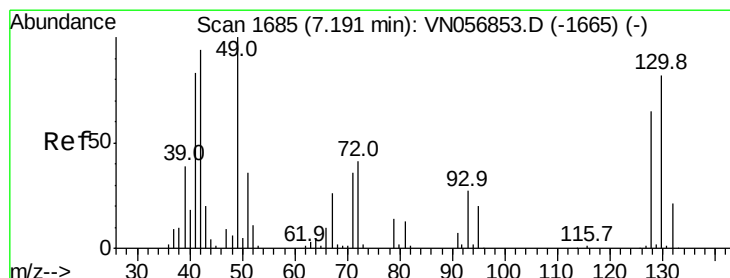
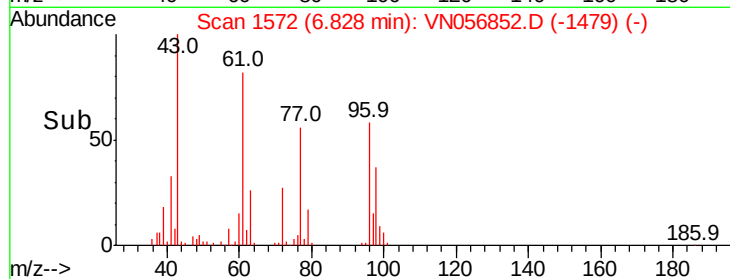
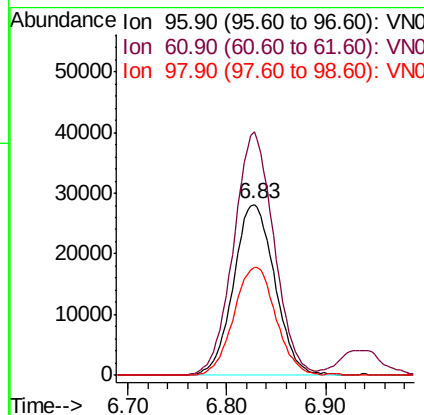
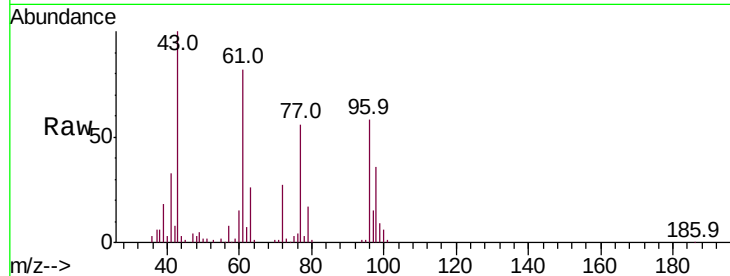
98 64.4 0.0 132.0

Manual Integrations

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#28

Bromochloromethane

Concen: 19.942 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

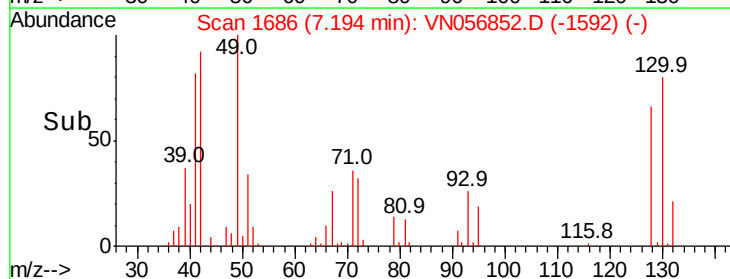
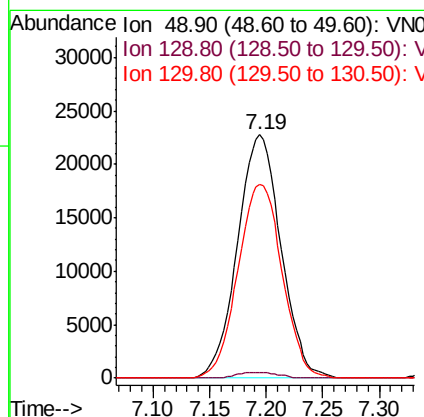
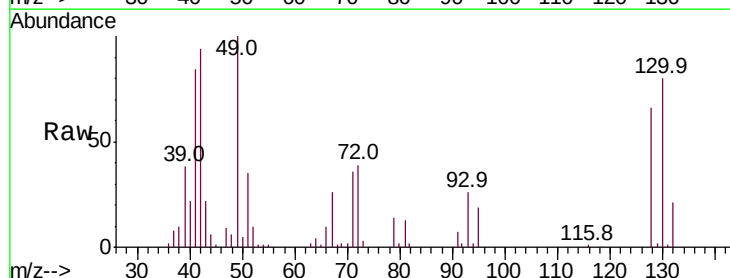
Tgt Ion: 49 Resp: 60771

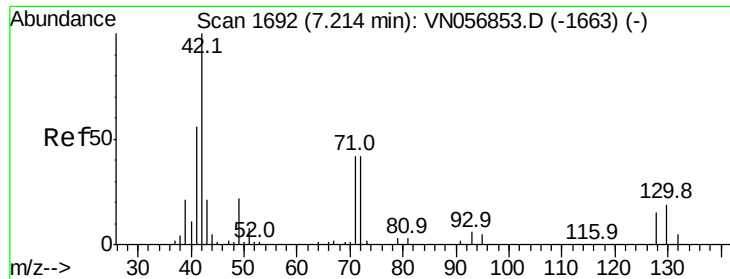
Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

130 81.0 65.0 97.6





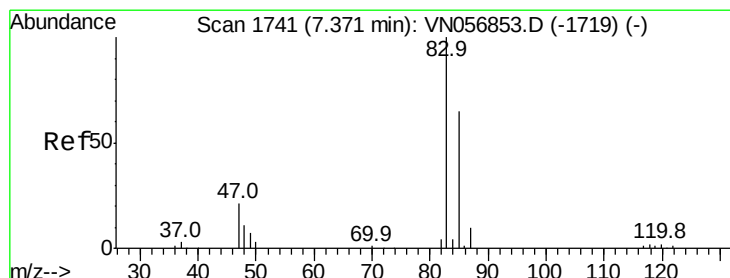
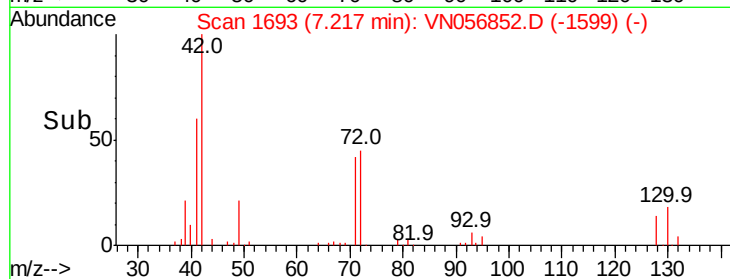
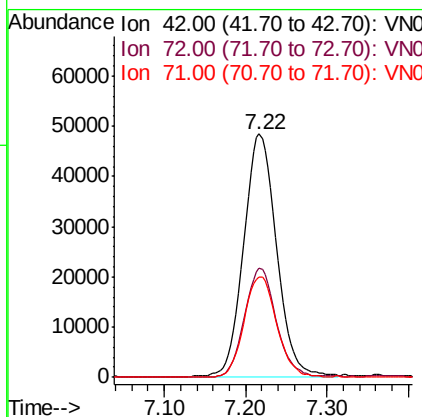
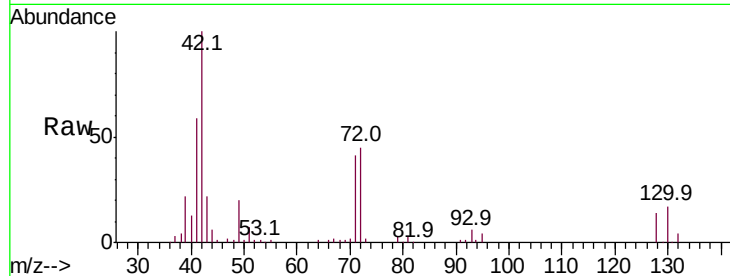
#29
Tetrahydrofuran
Concen: 82.389 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.2	51.2
71	40.8	32.7	49.1

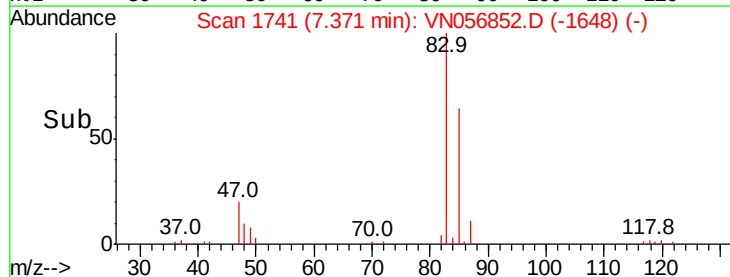
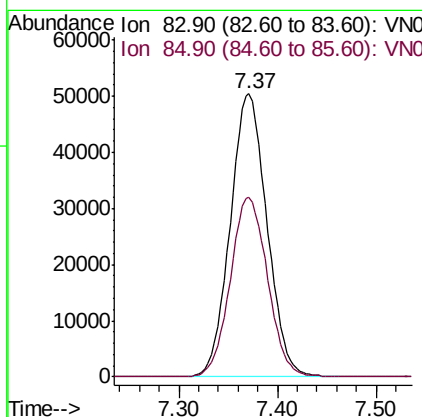
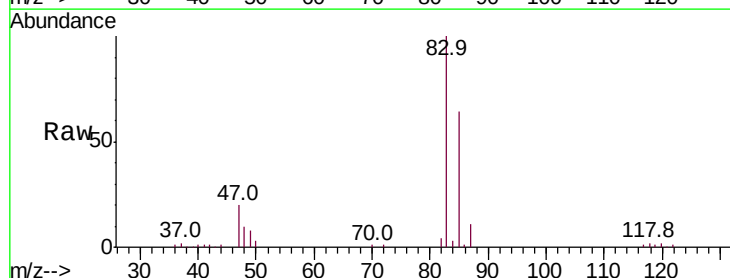
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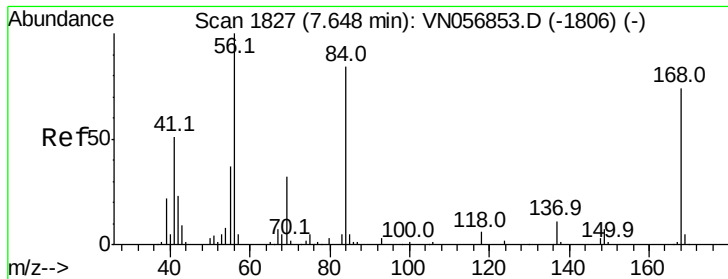
MMDadoda
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#30
Chloroform
Concen: 19.958 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.3	78.5





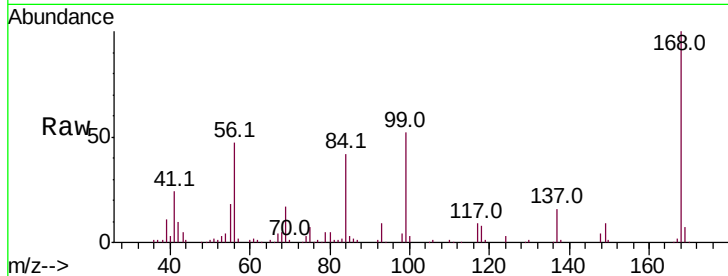
#31
Cyclohexane
Concen: 20.172 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.5	38.3
84	87.2	67.3	100.9

Manual Integrations
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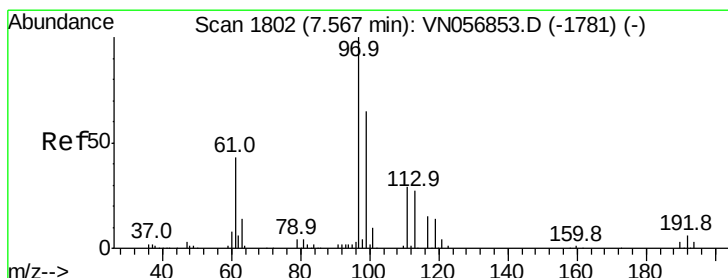
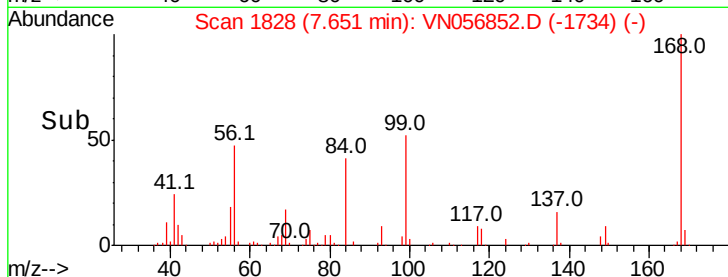
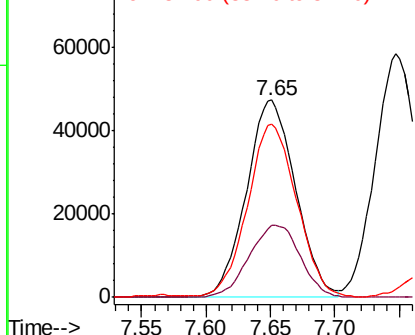


Abundance

Ion 56.00 (55.70 to 56.70): VNO

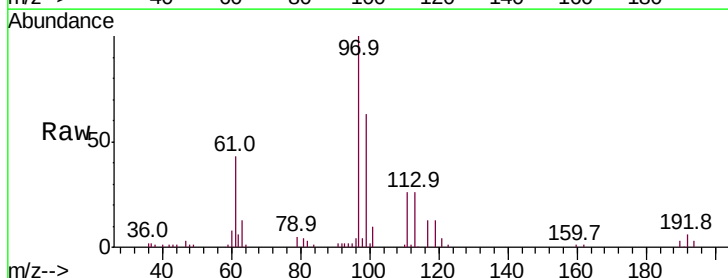
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 20.511 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.1	78.1
61	43.0	34.0	51.0

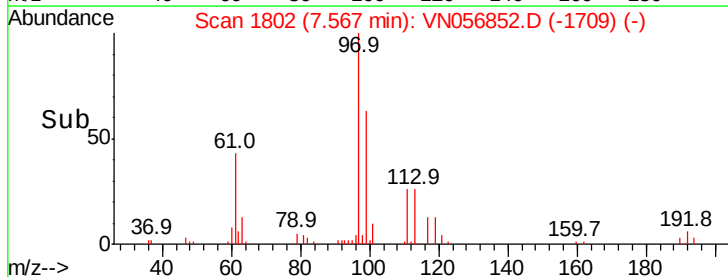
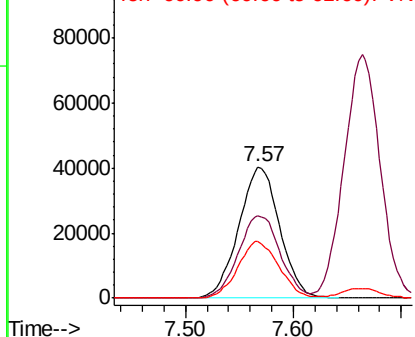


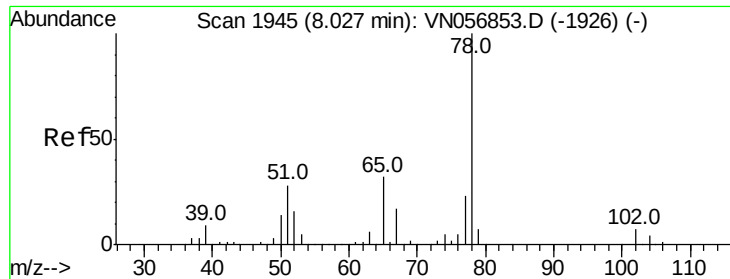
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





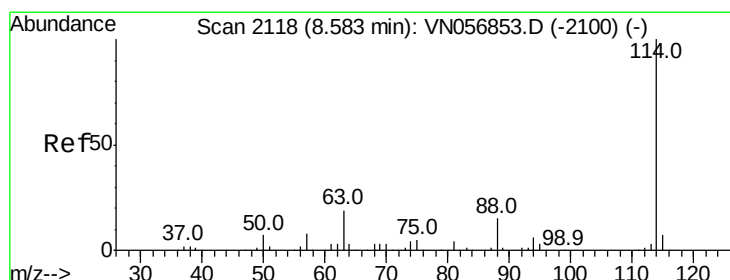
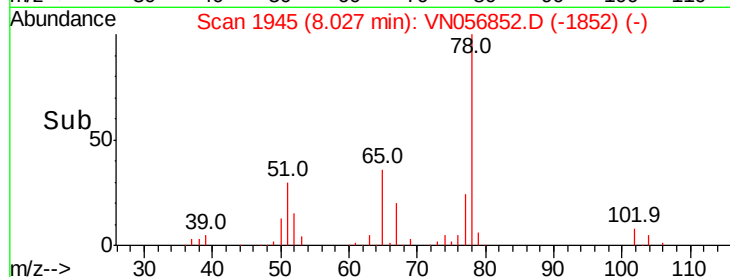
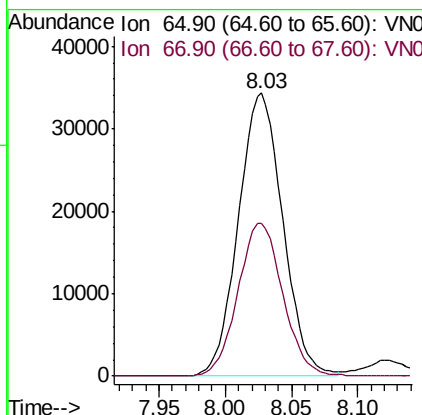
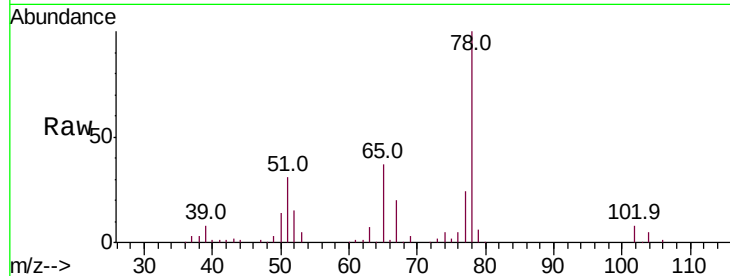
#33
 1,2-Dichloroethane-d4
 Concen: 20.986 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	79906		
67	54.5	0.0	108.6	

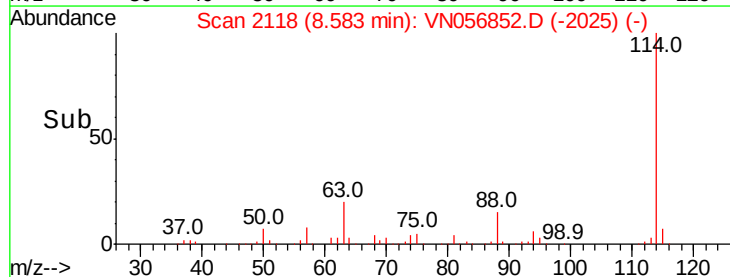
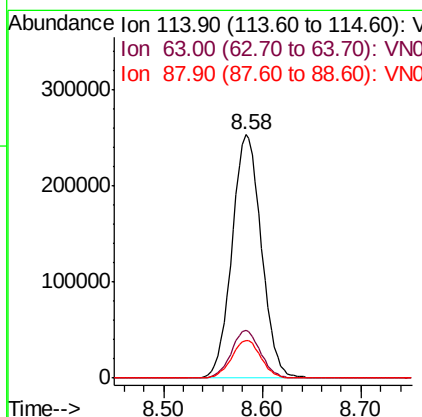
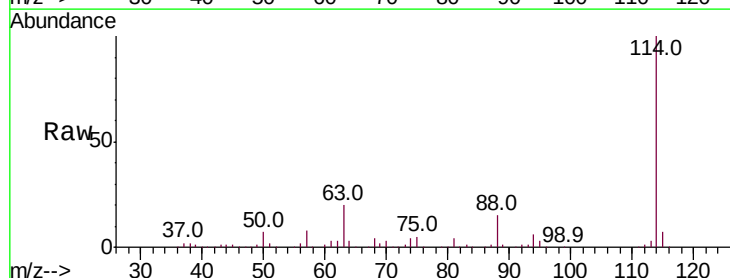
Manual Integrations
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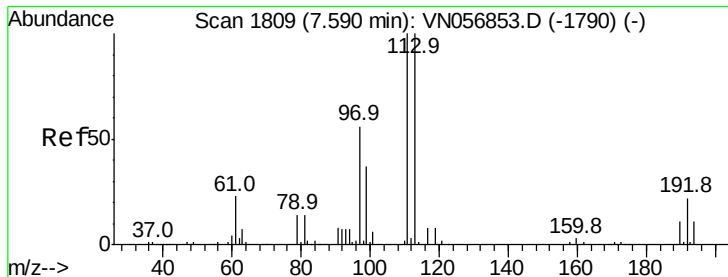
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	525404		
63	19.8	0.0	37.8	
88	15.3	0.0	31.0	





#35

Dibromofluoromethane

Concen: 21.311 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

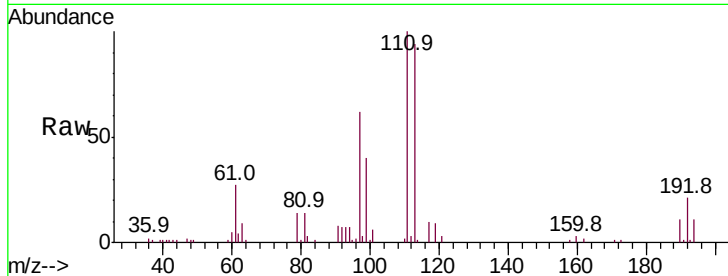
ClientSampleId :

VSTDIC020

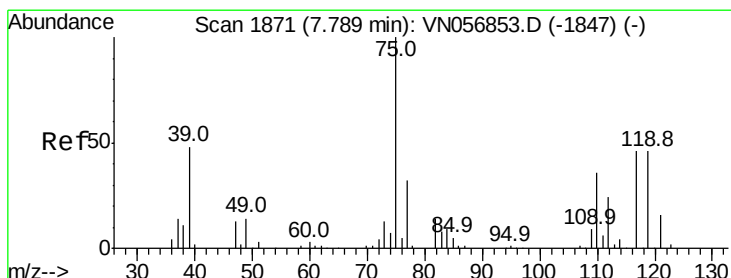
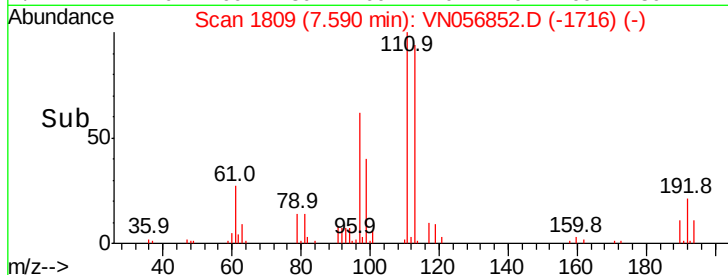
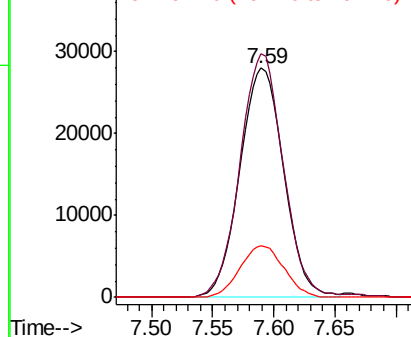
Tot Ion:	113	Resp:	69910
Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.9	122.9
192	22.4	18.5	27.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.781 ug/l

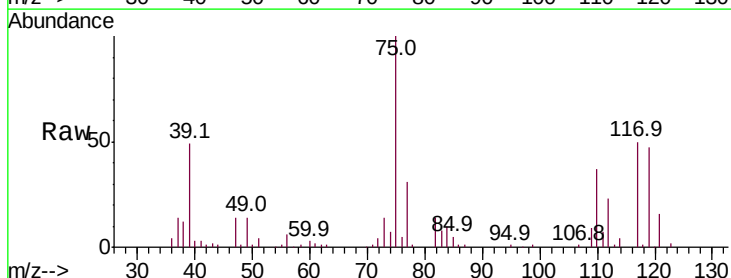
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

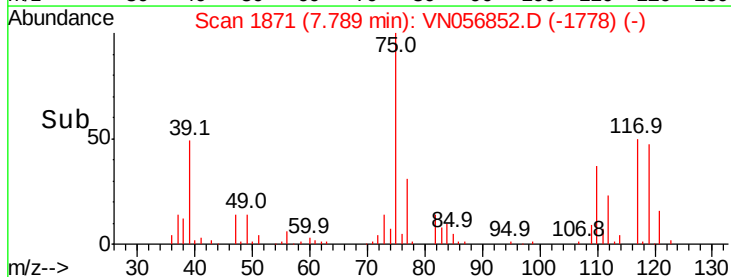
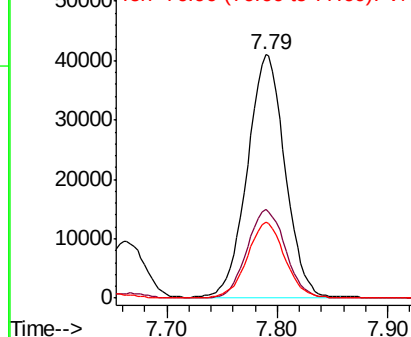
Lab File: VN056852.D

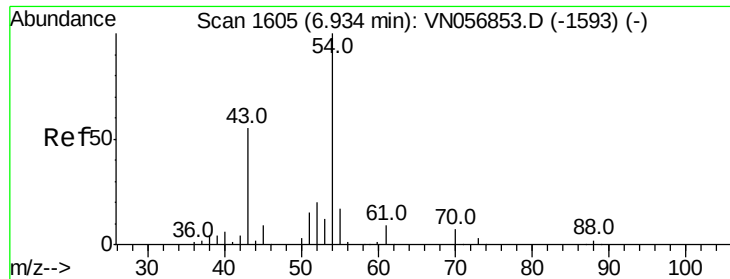
Acq: 22 Jul 2019 12:45

Tgt Ion:	75	Resp:	97510
Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.9	53.7
77	30.9	25.0	37.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





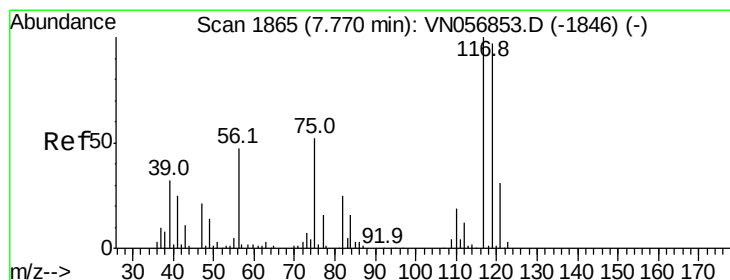
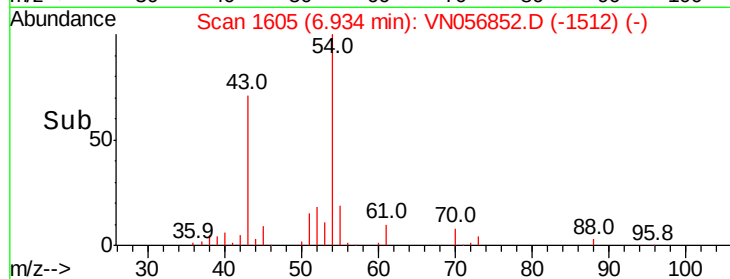
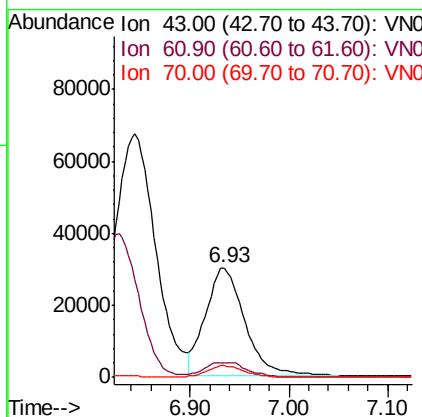
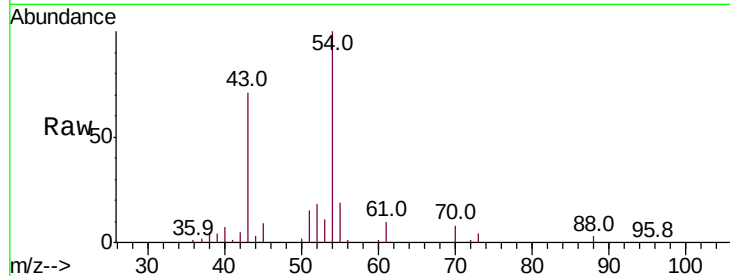
#37
Ethyl Acetate
Concen: 17.785 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	10.5	8.6	13.0

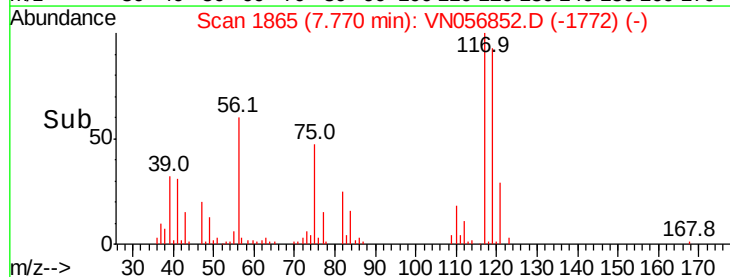
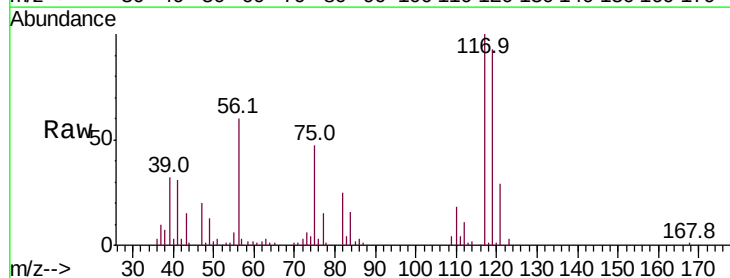
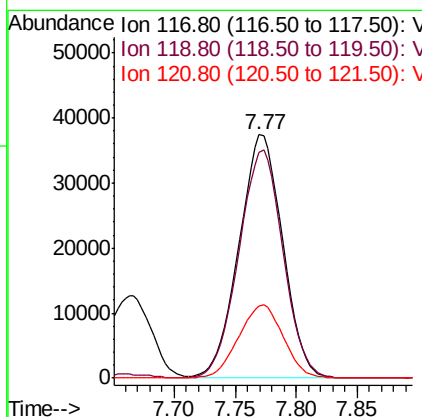
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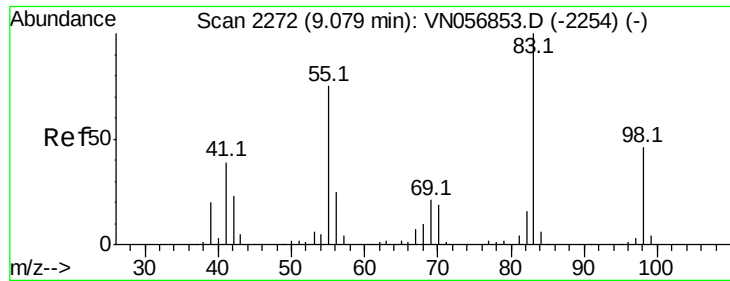
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#38
Carbon Tetrachloride
Concen: 20.106 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.2	115.8
121	29.5	24.5	36.7





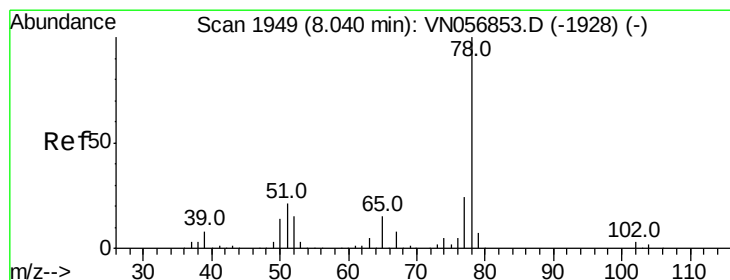
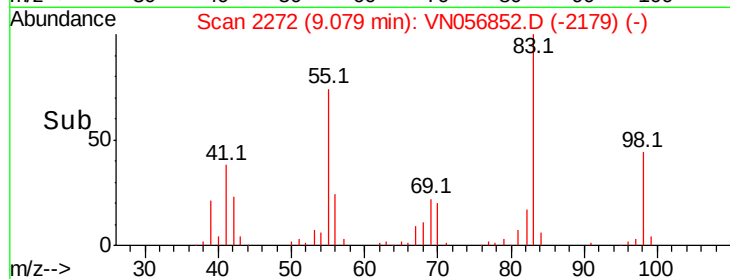
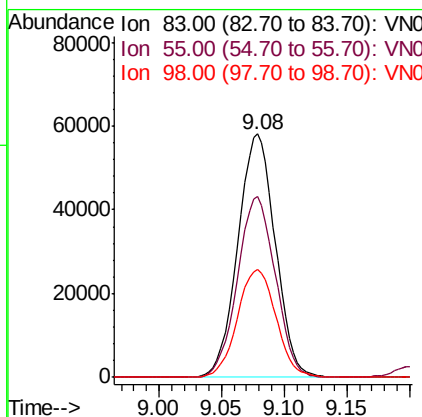
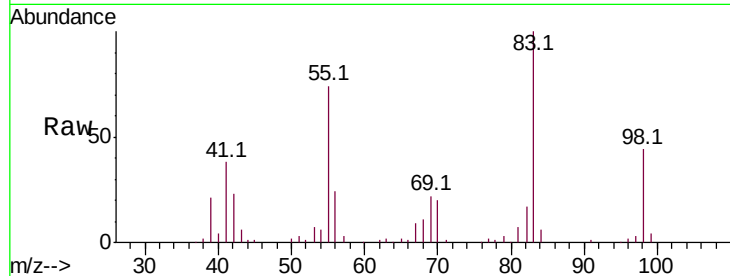
#39
Methylvlcyclohexane
Concen: 19.849 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	59.8	89.8
98	44.1	37.1	55.7

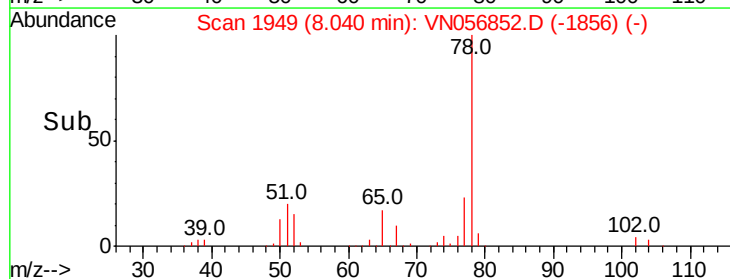
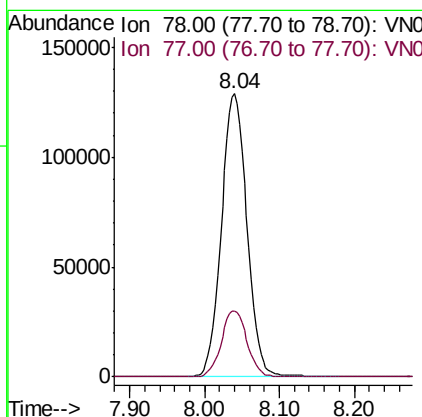
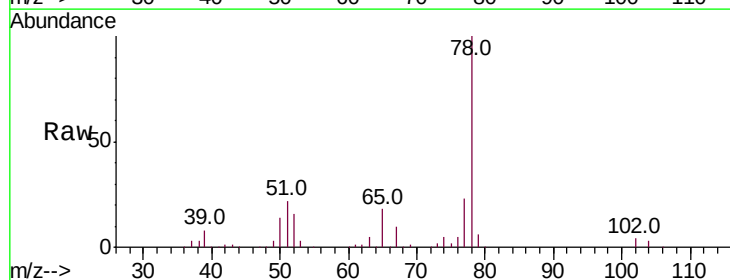
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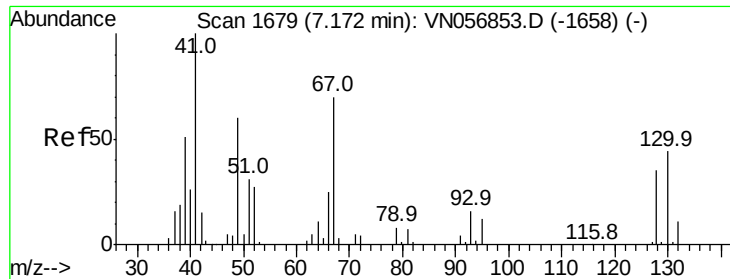
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#40
Benzene
Concen: 20.145 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





#41

Methacrylonitrile

Concen: 19.990 ug/l m

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 41 Resp: 41770

Ion Ratio Lower Upper

41 100

39 0.0 44.0 66.0#

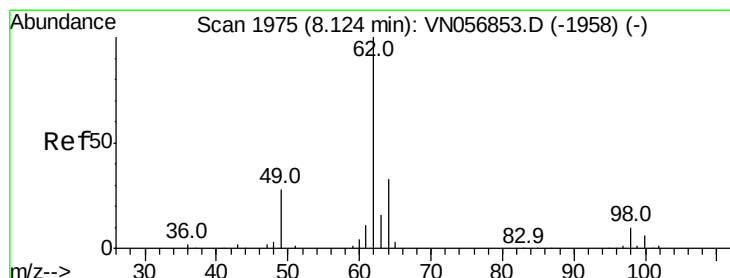
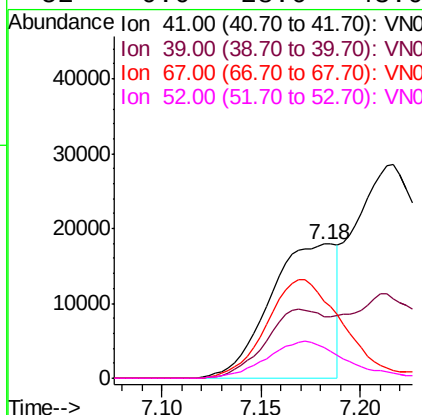
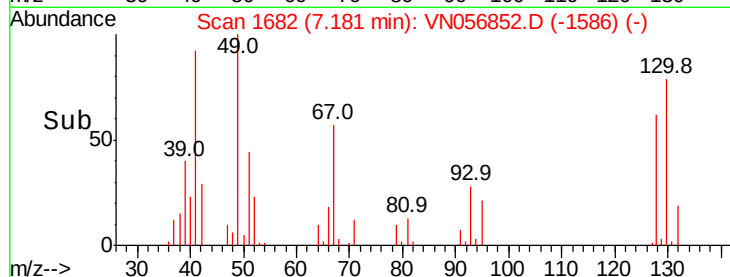
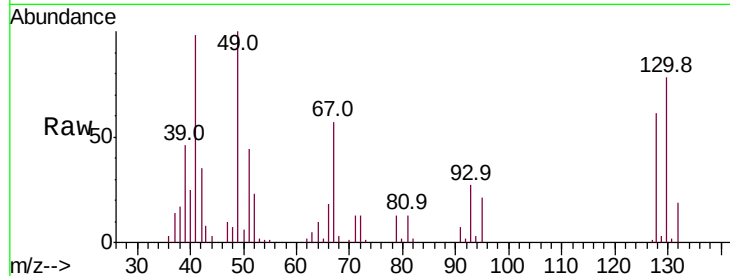
67 0.0 73.5 110.3#

52 0.0 28.6 43.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.358 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056852.D

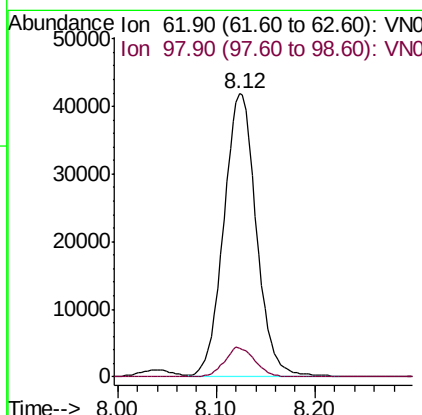
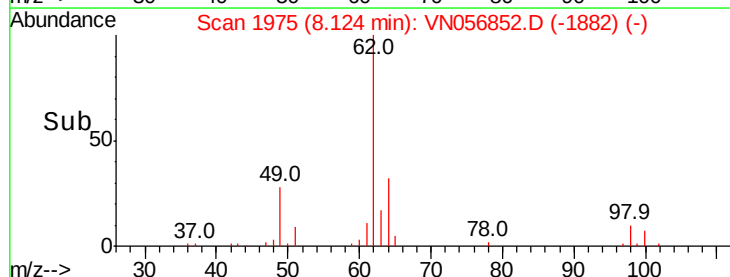
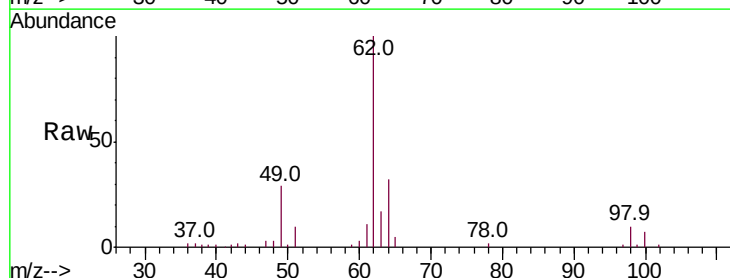
Acq: 22 Jul 2019 12:45

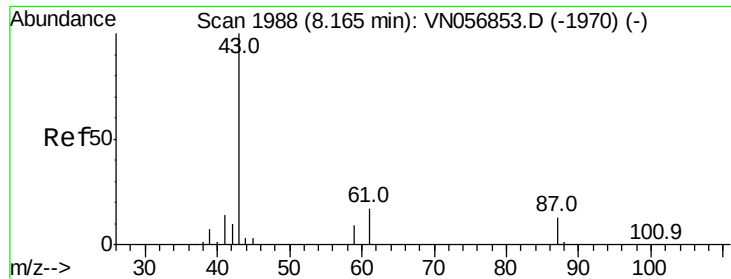
Tgt Ion: 62 Resp: 96826

Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 17.858 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

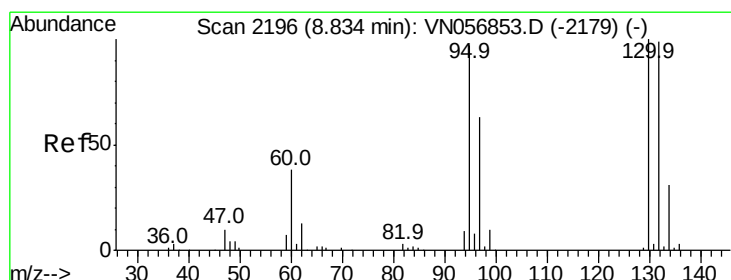
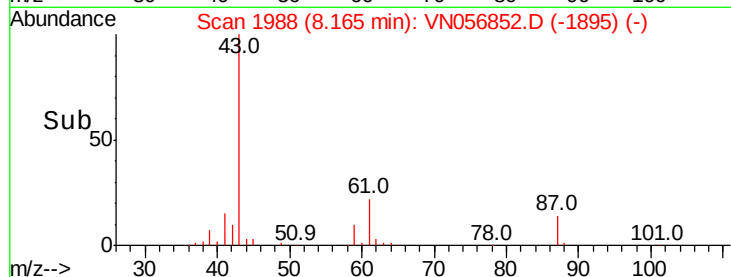
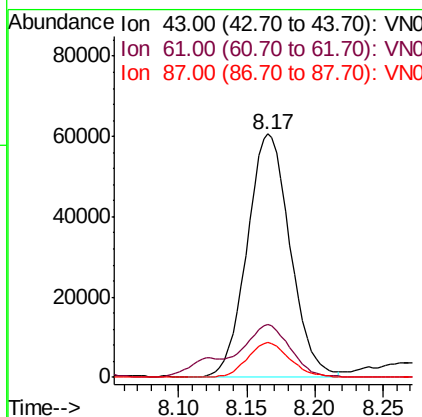
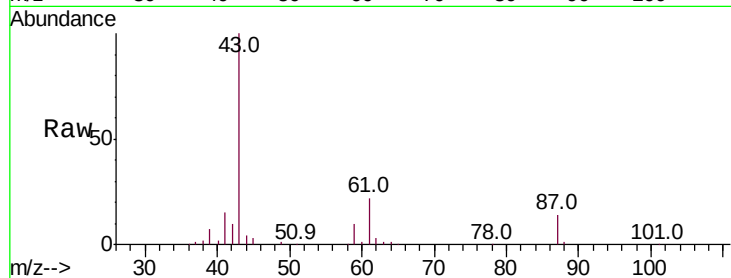
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	132783
Ion	Ratio	Lower	Upper
43	100		
61	22.7	17.8	26.6
87	14.1	11.0	16.4

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#44

Trichloroethene

Concen: 19.835 ug/l

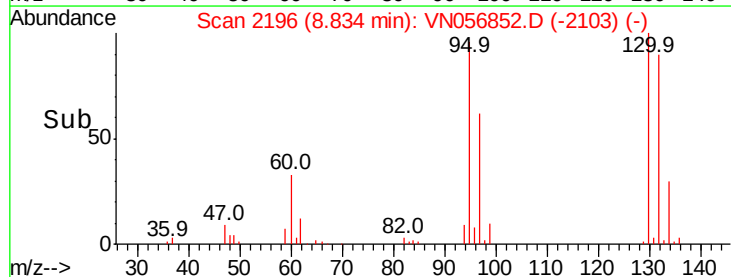
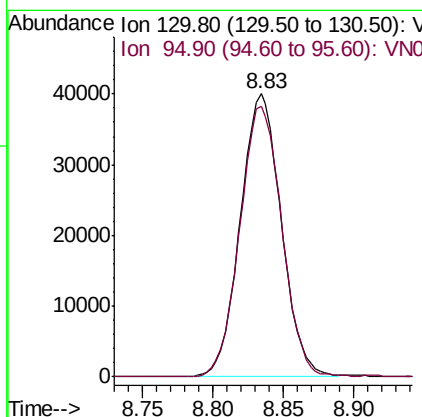
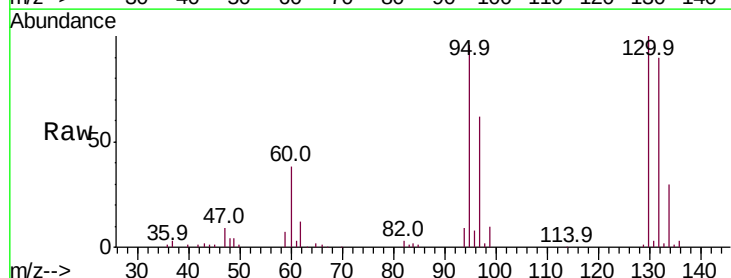
RT: 8.83 min Scan# 2196

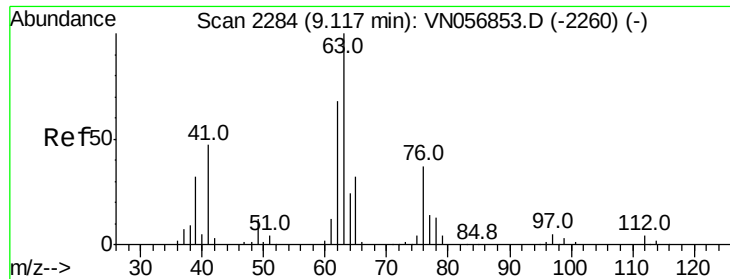
Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Tgt Ion:	130	Resp:	81415
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	194.0





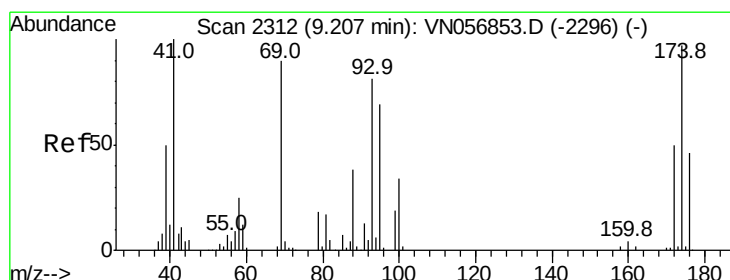
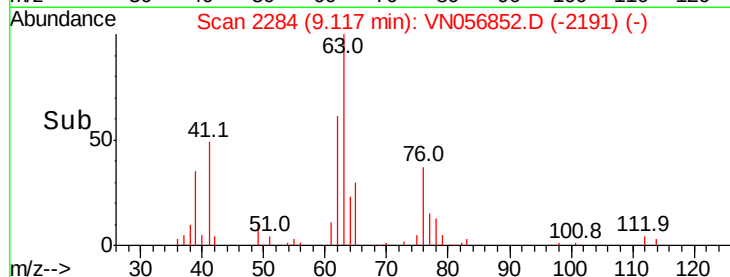
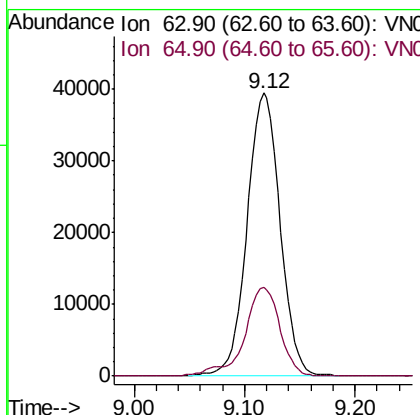
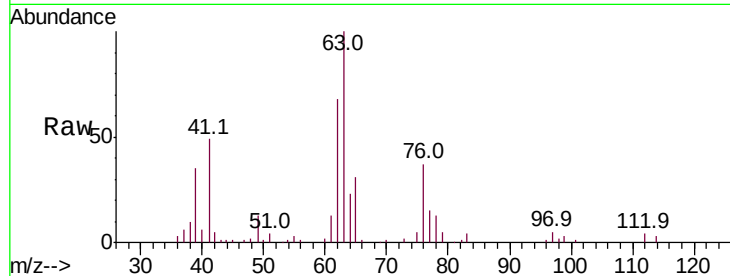
#45
 1,2-Dichloropropane
 Concen: 20.436 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 81802
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.4 38.0

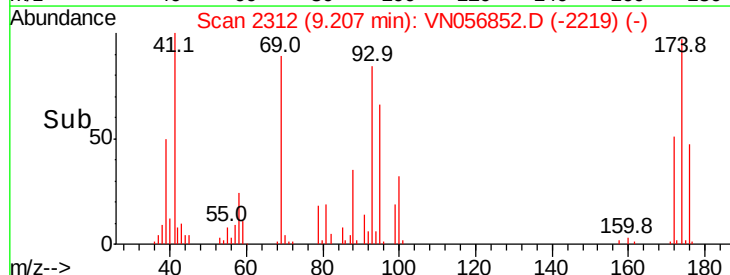
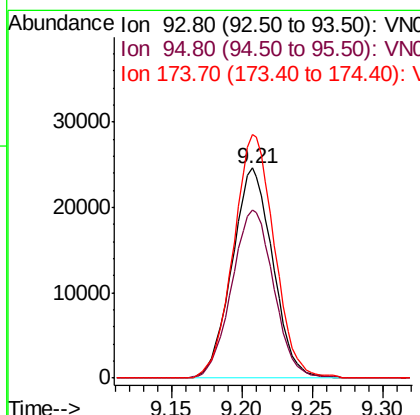
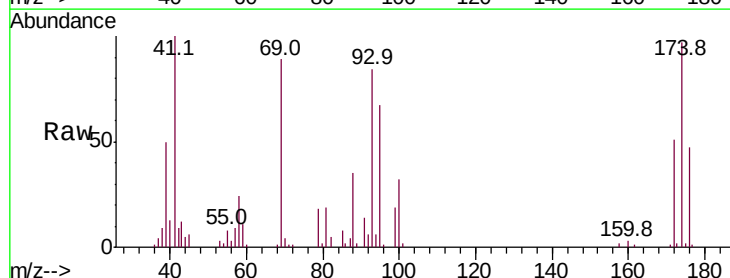
Manual Integrations
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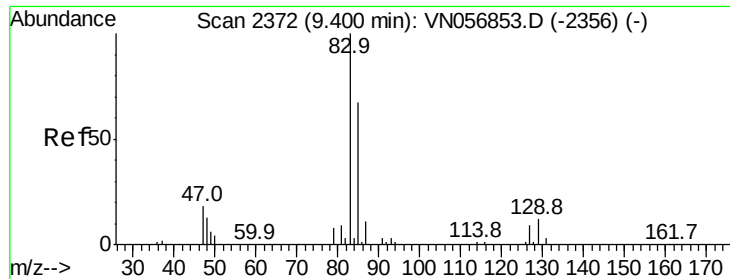
MMDadoda
 7/25/2019 3:01:14 PM



#46
 Dibromomethane
 Concen: 20.092 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion: 93 Resp: 49690
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.4 101.0
 174 116.4 92.9 139.3





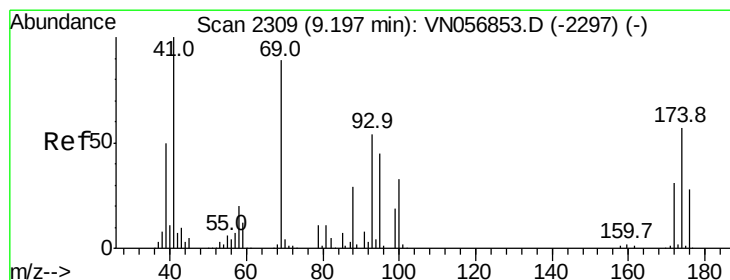
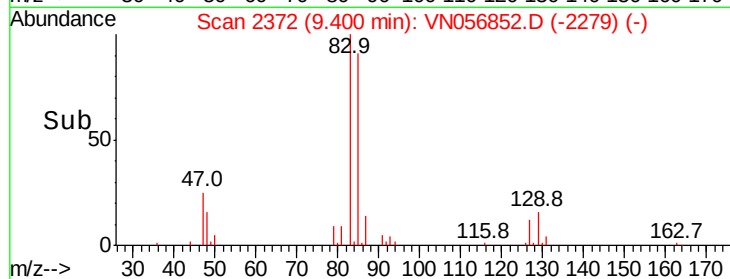
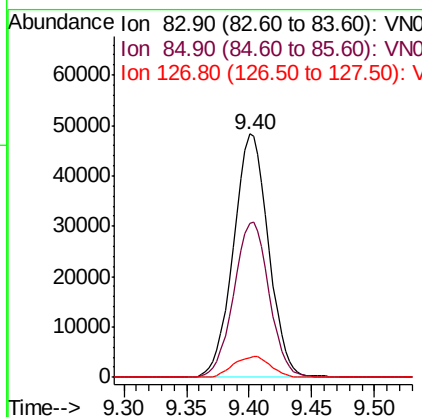
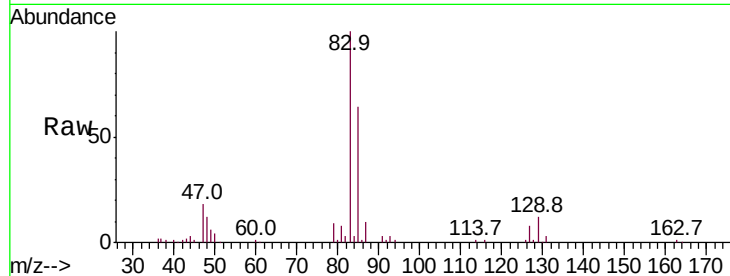
#47
Bromodichloromethane
Concen: 19.890 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	93690
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	53.4	80.2
127	8.2	7.2	10.8

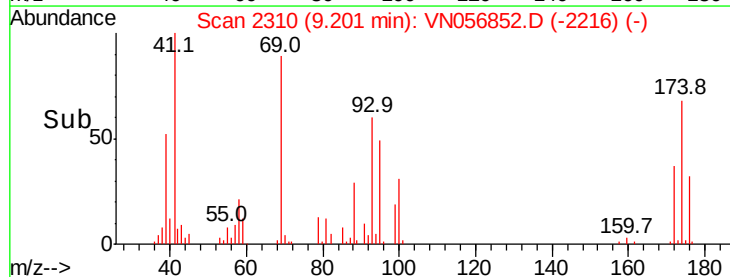
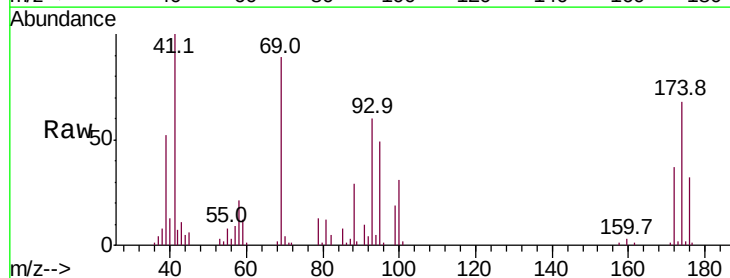
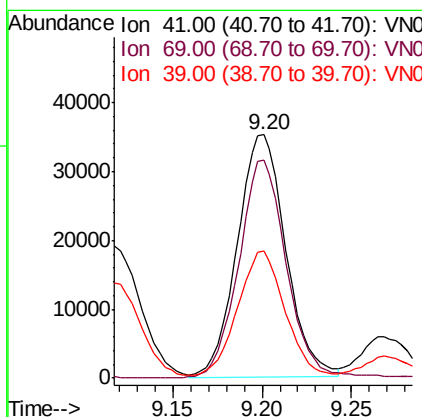
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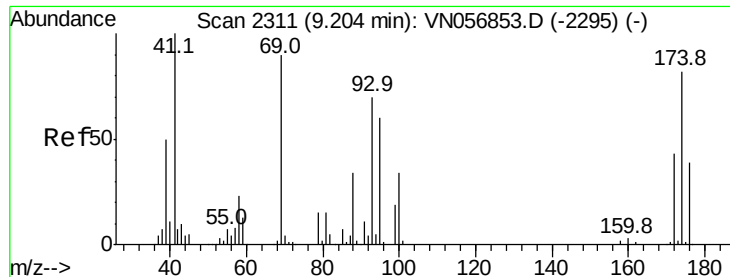
MMDadoda
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#48
Methyl methacrylate
Concen: 18.510 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	41	Resp	66930
Ion Ratio	100	Lower	Upper
41	100		
69	88.6	71.1	106.7
39	51.2	40.6	60.8





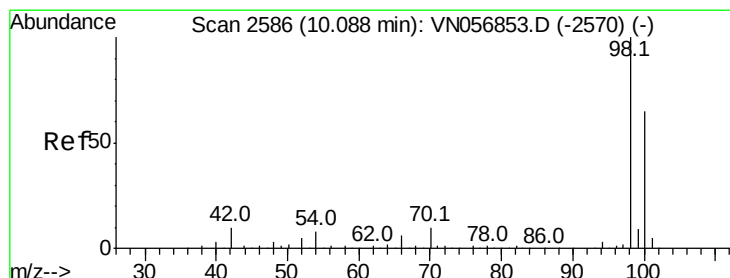
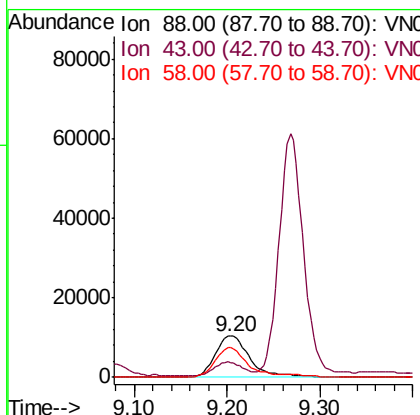
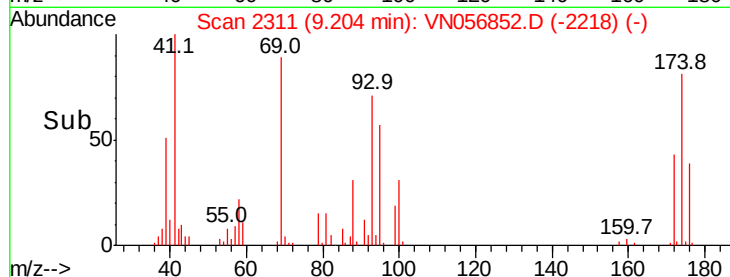
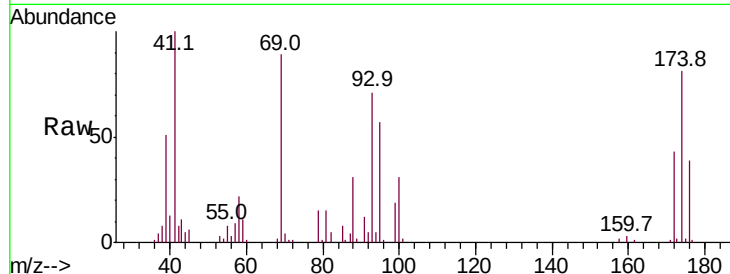
#49
 1,4-Dioxane
 Concen: 361.659 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	21.4	32.2
58	64.9	55.7	83.5

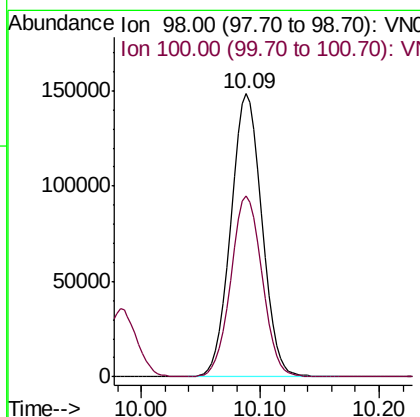
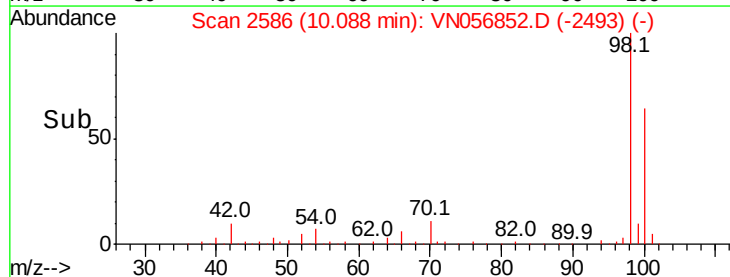
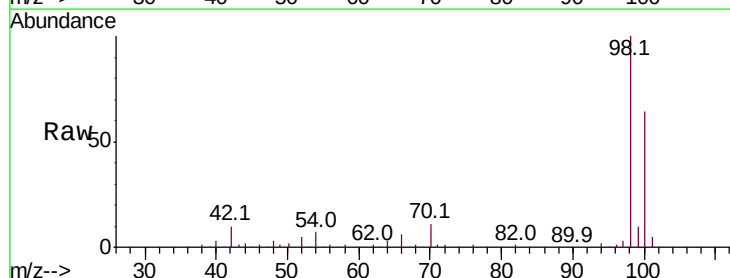
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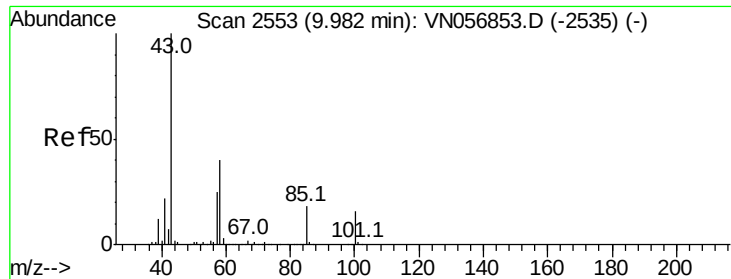
MMDadoda
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#50
 Toluene-d8
 Concen: 21.271 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





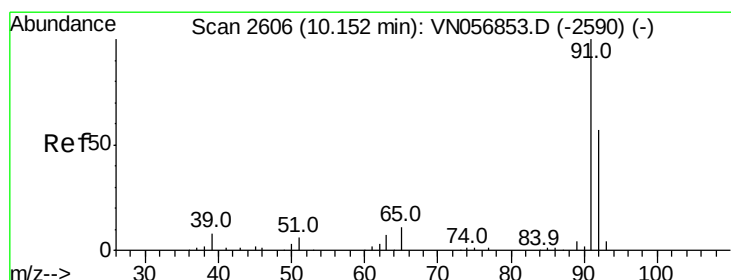
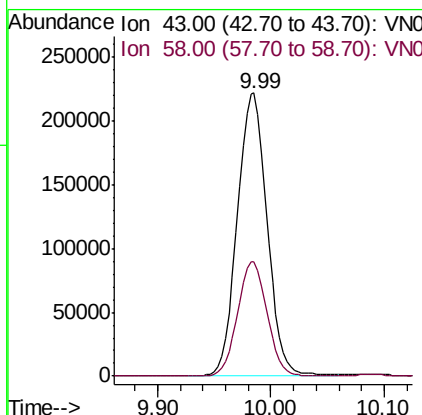
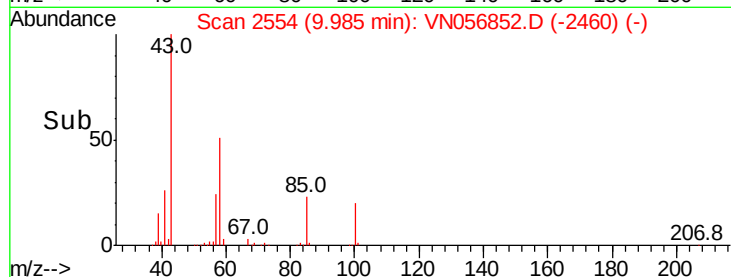
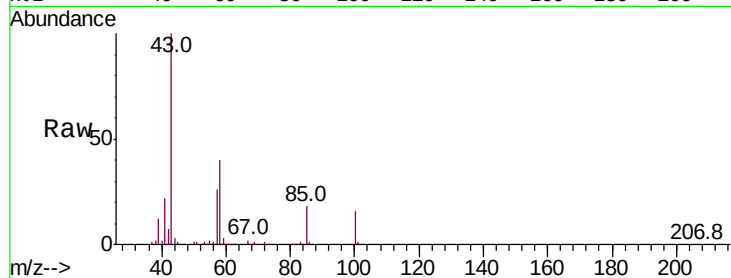
#51
4-Methyl-2-Pentanone
Concen: 85.161 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 406822
Ion Ratio Lower Upper
43 100
58 40.1 32.4 48.6

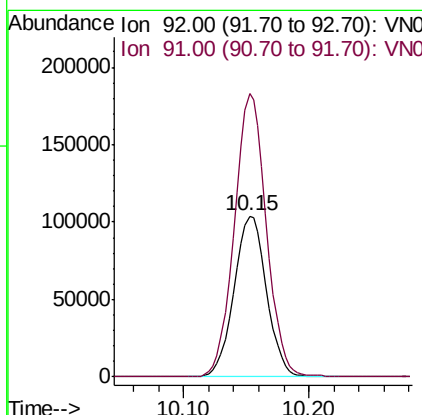
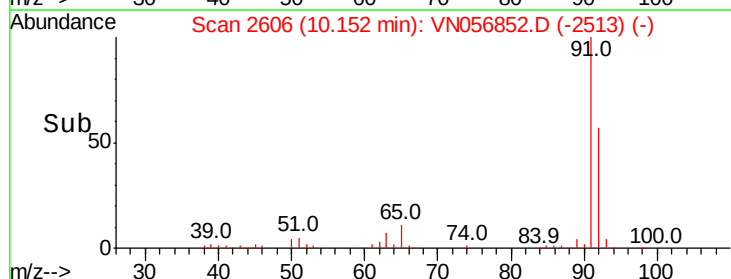
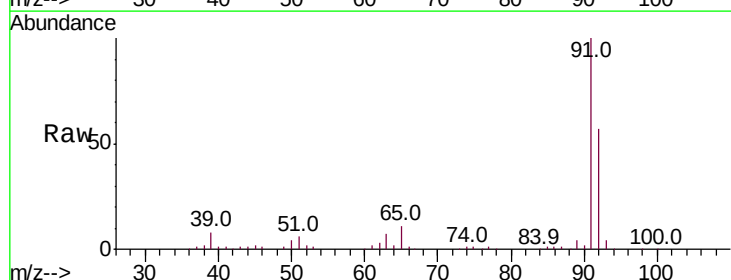
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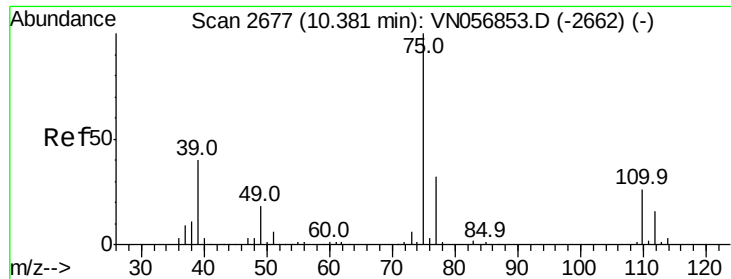
MMDadoda
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#52
Toluene
Concen: 20.743 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion: 92 Resp: 186275
Ion Ratio Lower Upper
92 100
91 173.3 140.6 210.8





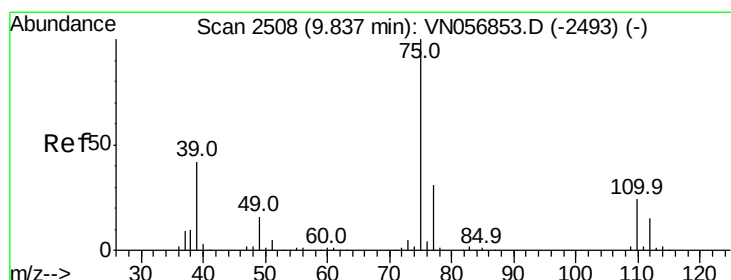
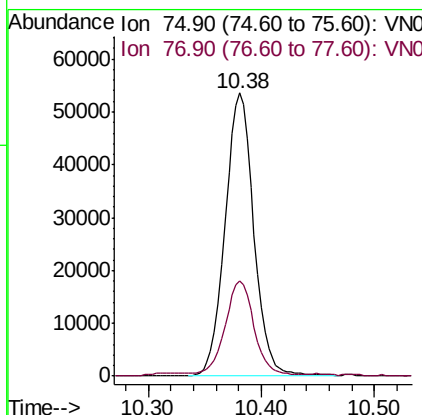
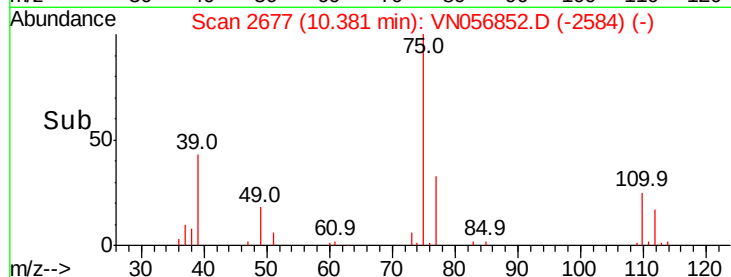
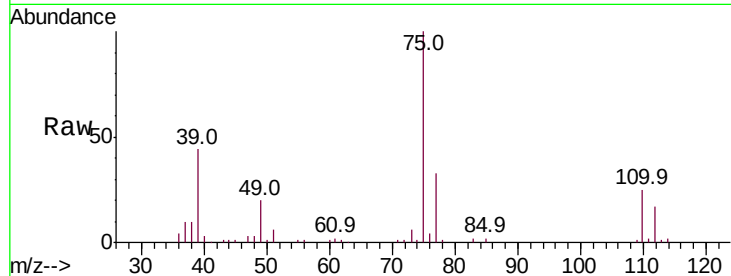
#53
t-1,3-Dichloropropene
Concen: 19.327 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 94675
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2

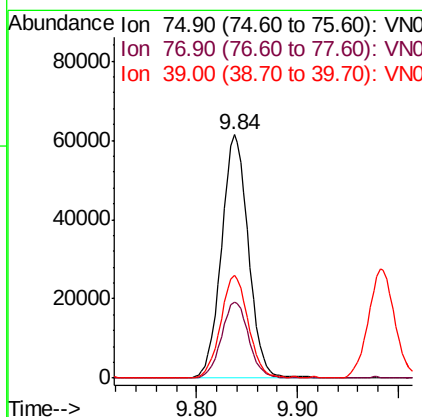
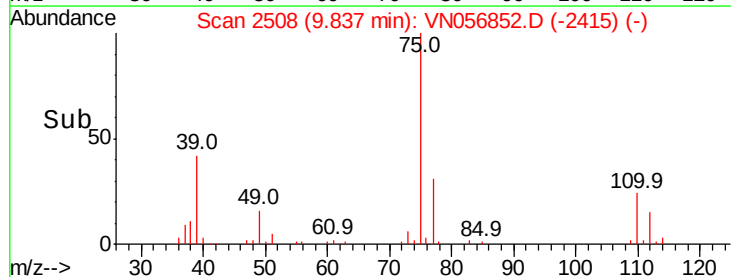
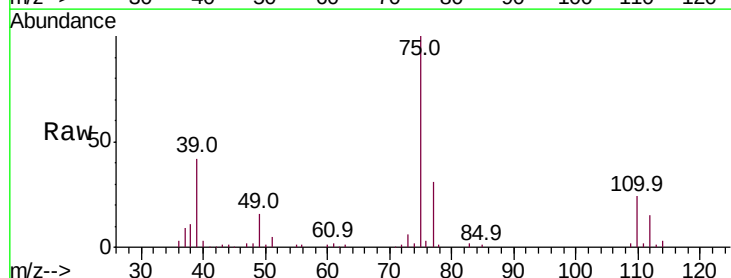
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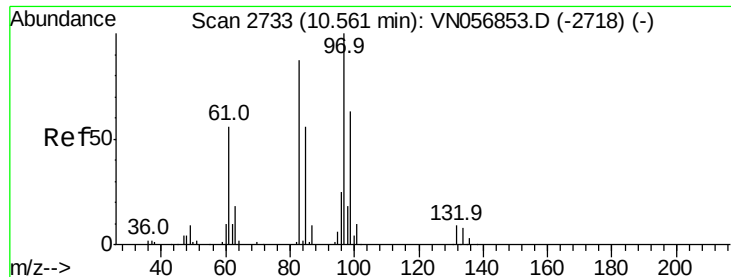
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#54
cis-1,3-Dichloropropene
Concen: 20.112 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion: 75 Resp: 114636
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7
39 42.3 33.4 50.2





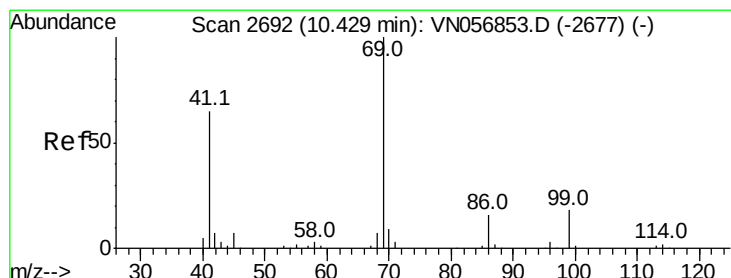
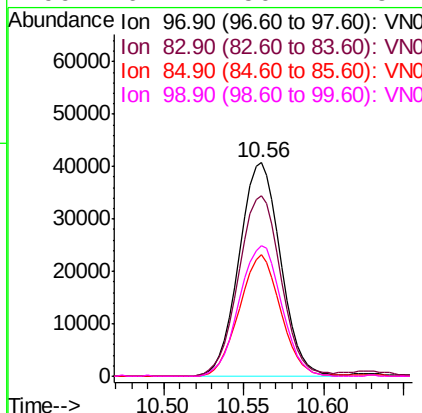
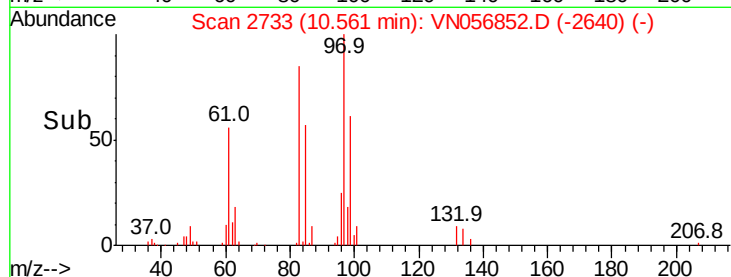
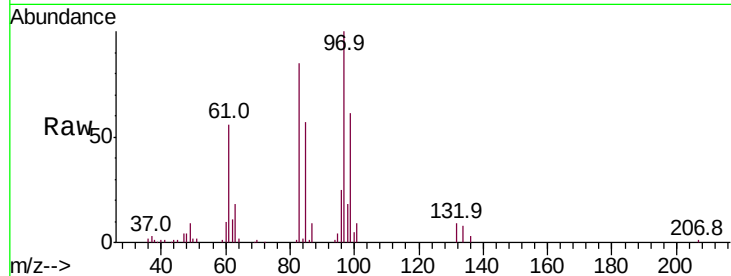
#55
 1,1,2-Trichloroethane
 Concen: 19.328 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.0	105.0
85	56.9	45.1	67.7
99	61.4	50.2	75.4

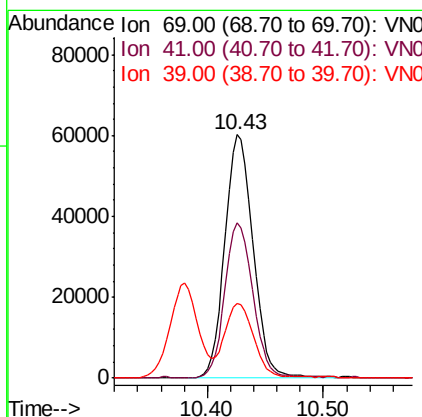
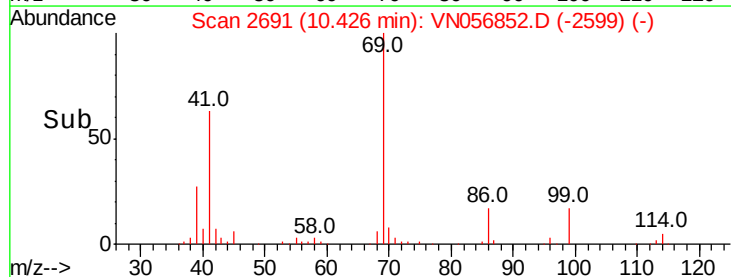
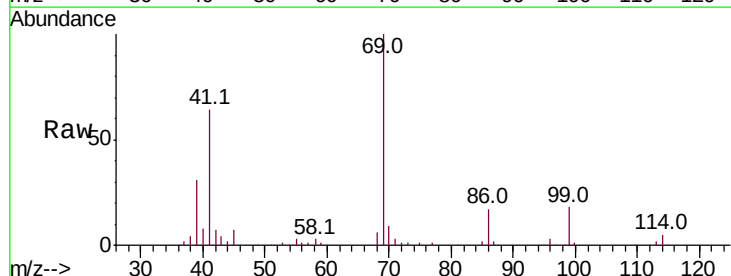
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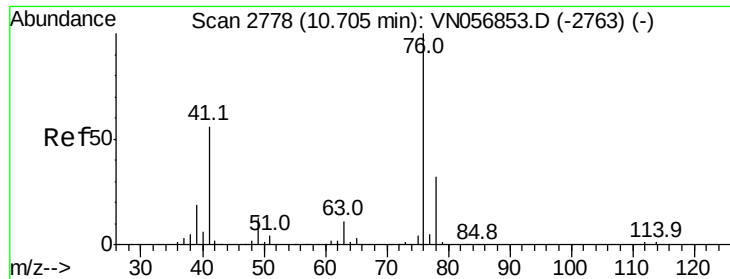
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#56
 Ethyl methacrylate
 Concen: 19.134 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.0	76.6
39	31.2	24.5	36.7





#57

1,3-Dichloropropane

Concen: 19.656 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 119980

Ion Ratio Lower Upper

76 100

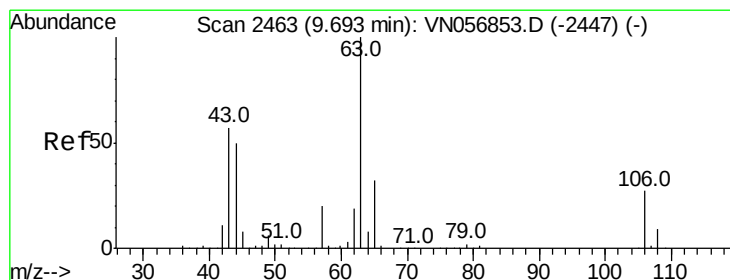
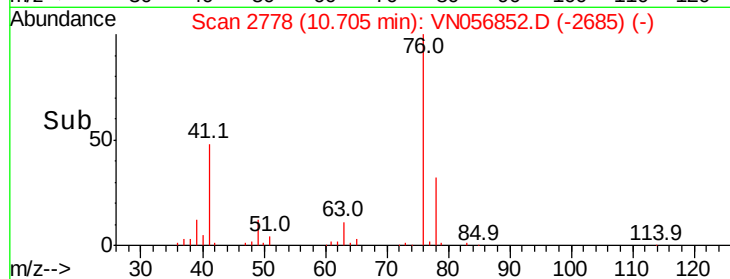
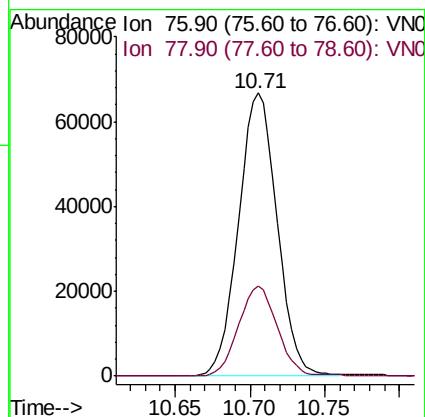
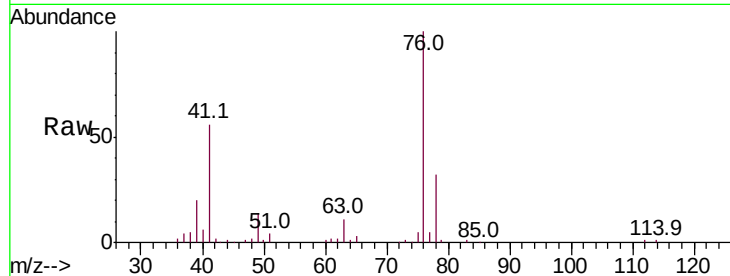
78 32.1 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 84.542 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056852.D

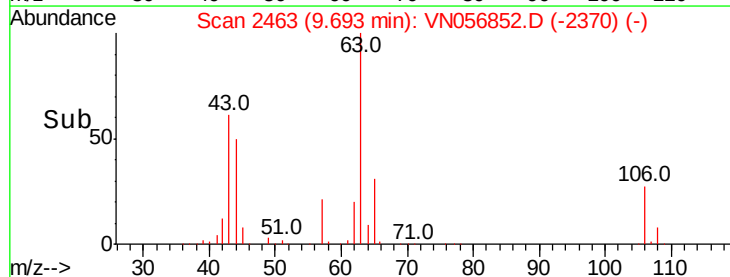
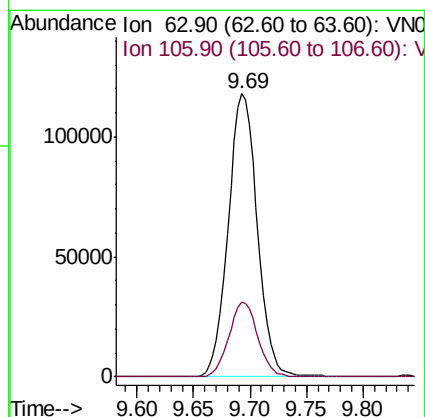
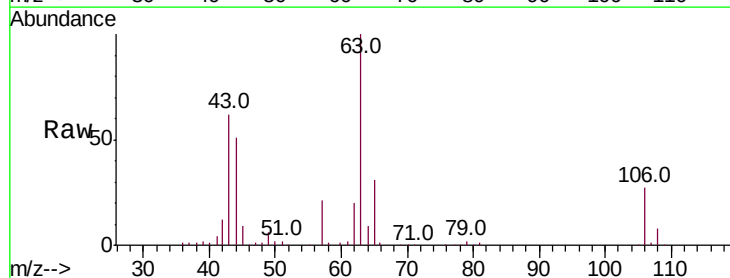
Acq: 22 Jul 2019 12:45

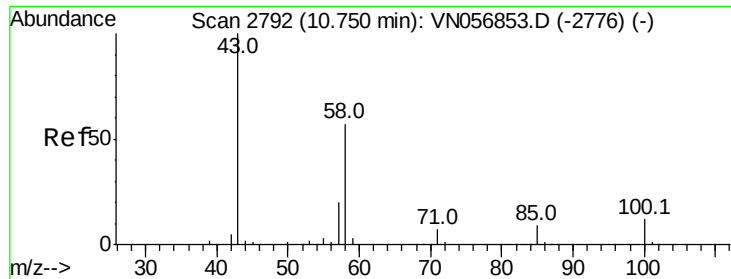
Tgt Ion: 63 Resp: 211378

Ion Ratio Lower Upper

63 100

106 26.3 21.8 32.8





#59

2-Hexanone

Concen: 83.043 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 281883

Ion Ratio Lower Upper

43 100

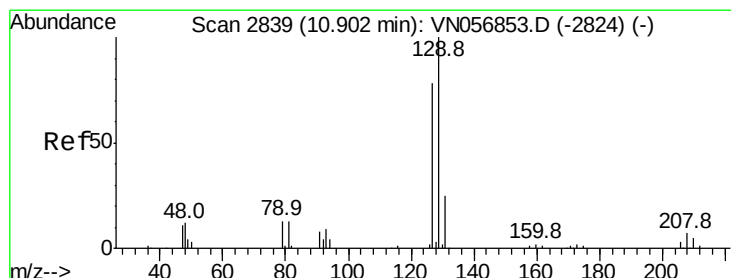
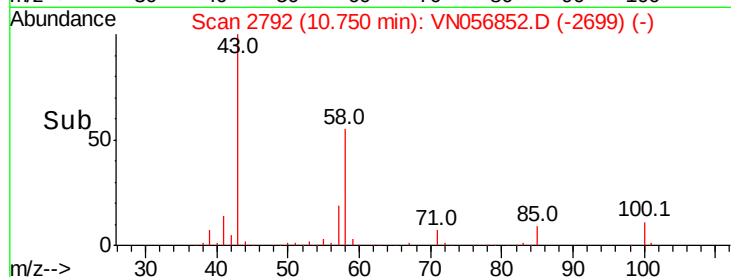
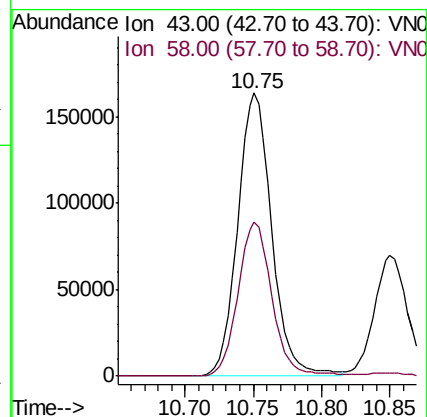
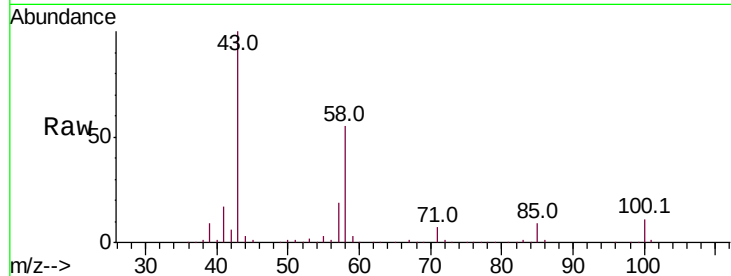
58 54.7 28.3 85.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.870 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056852.D

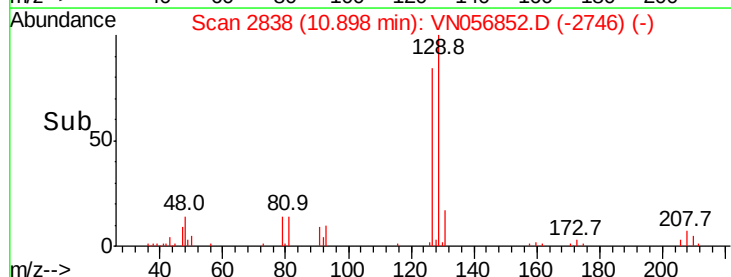
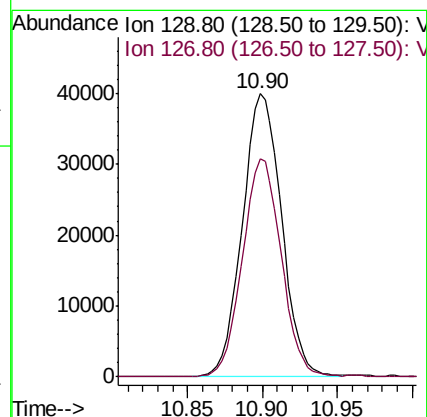
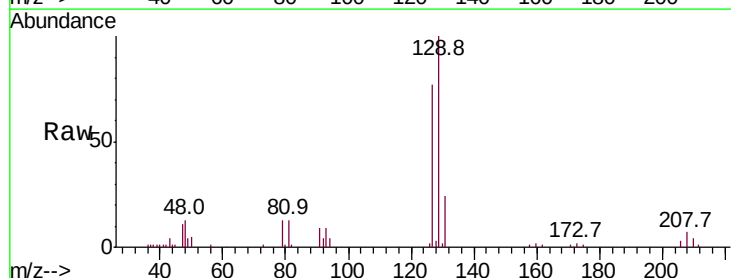
Acq: 22 Jul 2019 12:45

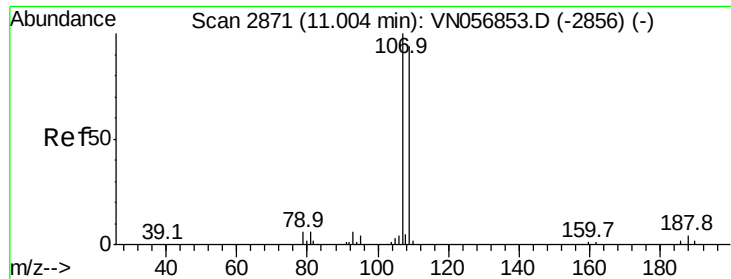
Tgt Ion: 129 Resp: 73038

Ion Ratio Lower Upper

129 100

127 75.9 38.5 115.5





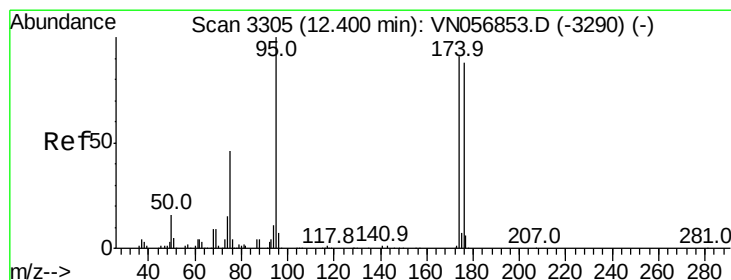
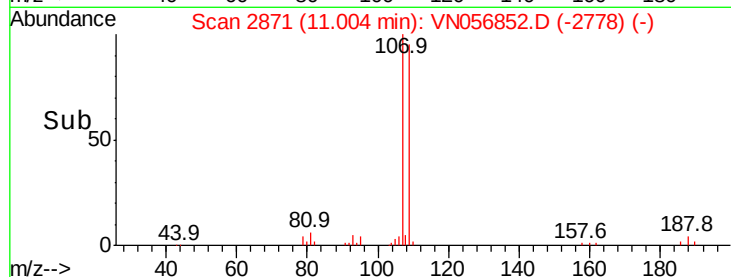
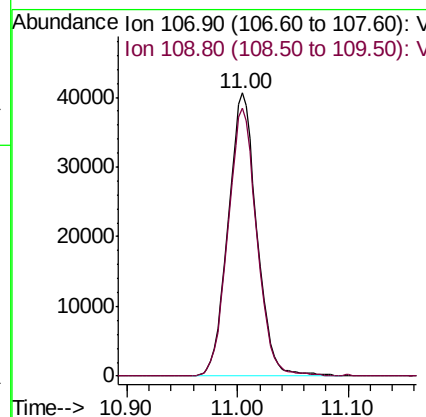
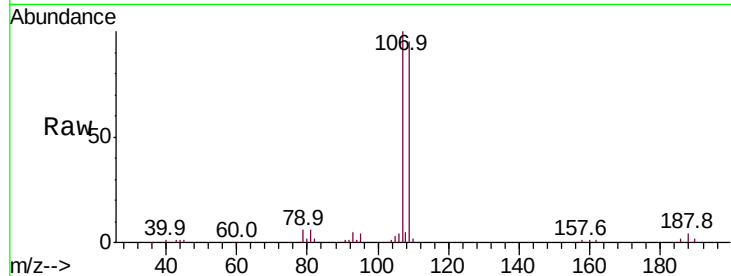
#61
 1,2-Dibromoethane
 Concen: 19.667 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 73025
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.3 112.9

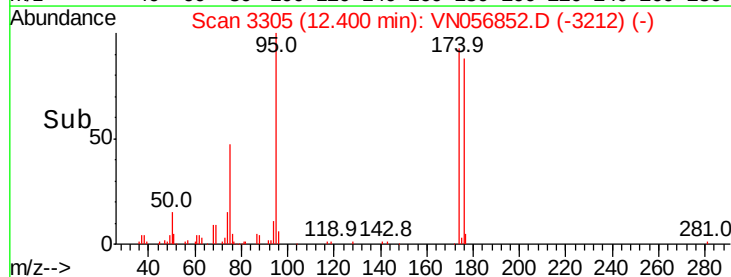
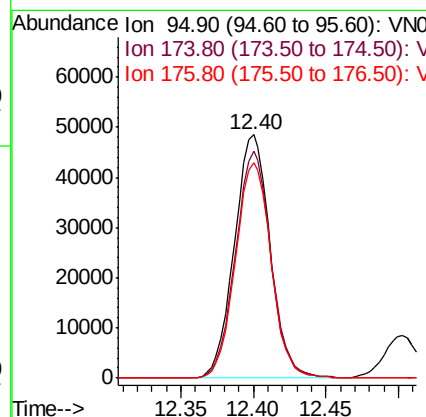
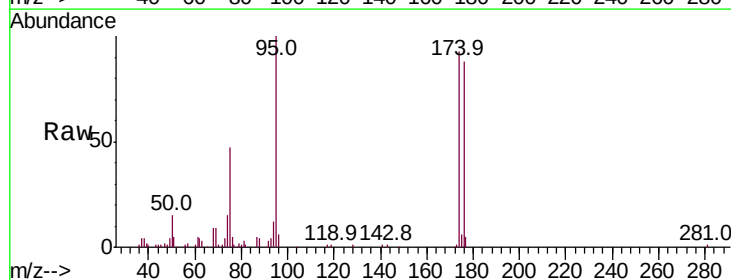
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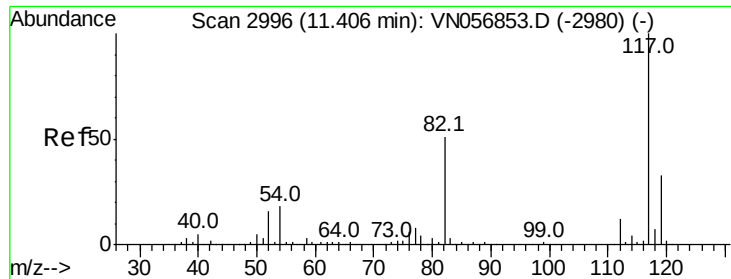
MMDadoda
 7/25/2019 3:01:14 PM



#62
 4-Bromofluorobenzene
 Concen: 19.475 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion: 95 Resp: 82716
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 183.4
 176 88.5 0.0 175.8





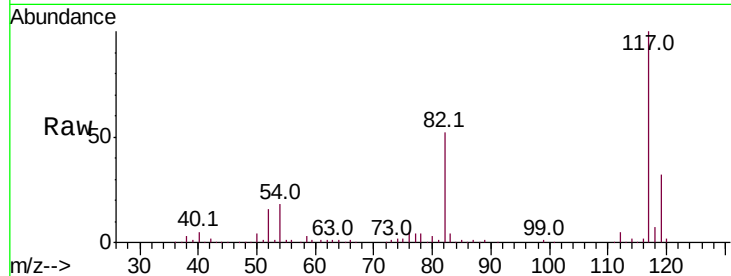
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.2	61.8
119	32.2	26.4	39.6

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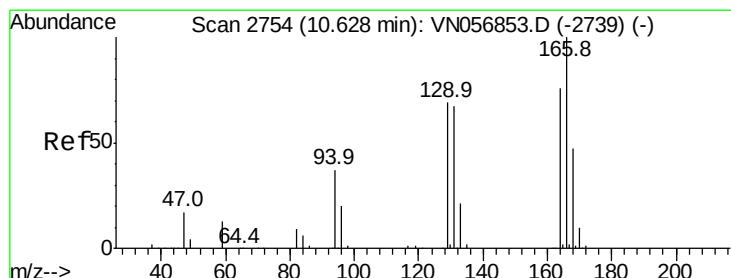
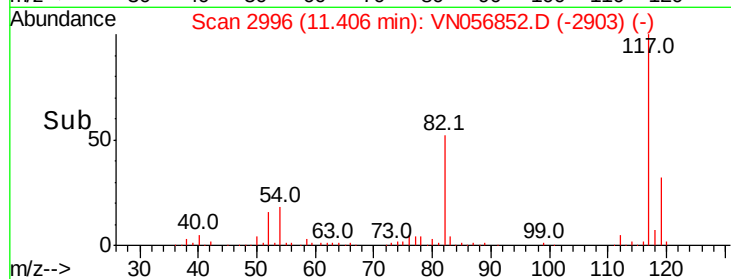
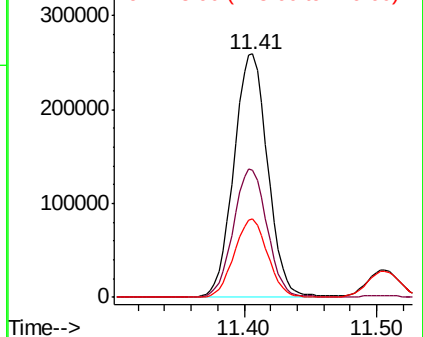


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.742 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	104.9	157.3
129	92.9	72.8	109.2
131	85.2	70.2	105.2

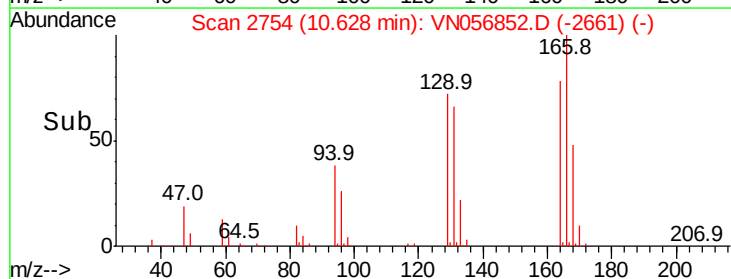
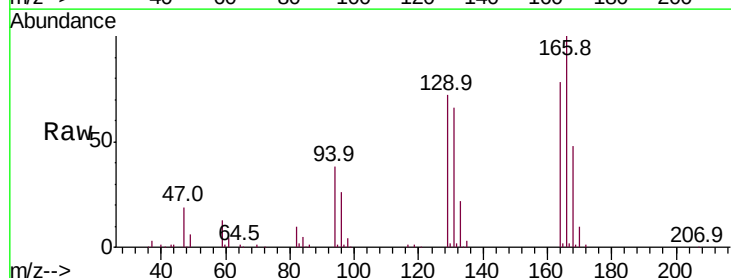
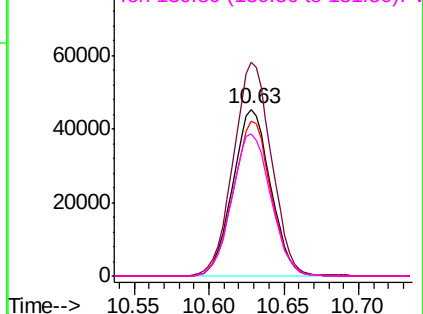
Abundance

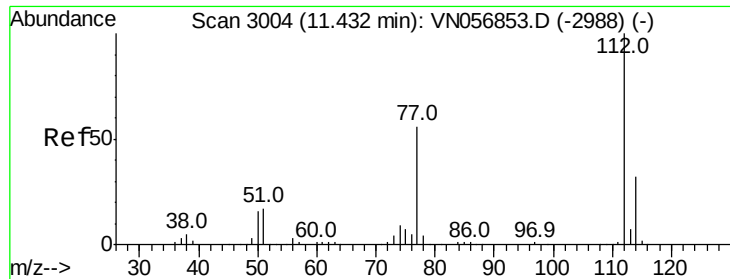
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





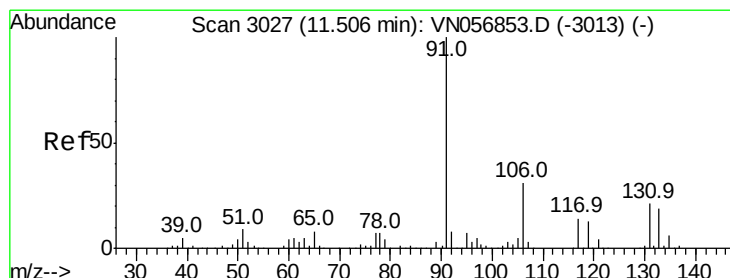
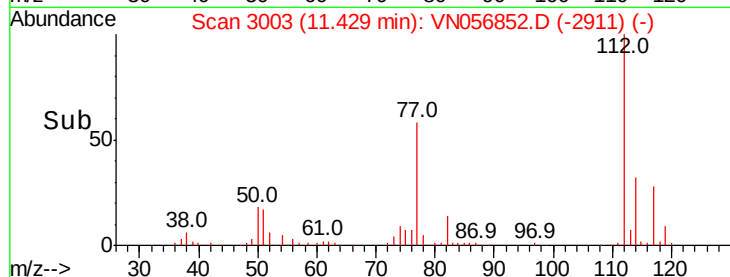
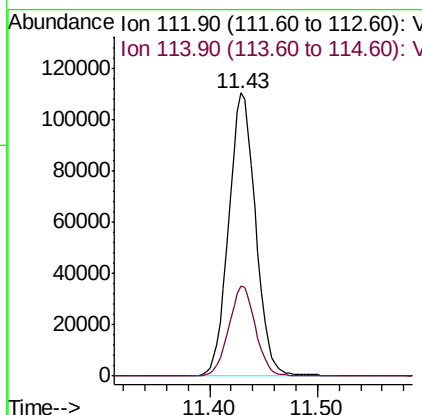
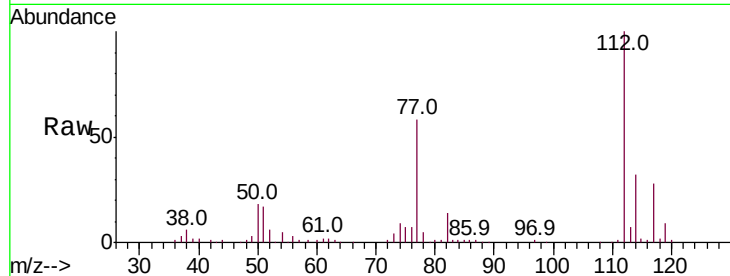
#65
Chlorobenzene
Concen: 20.172 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 192475
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

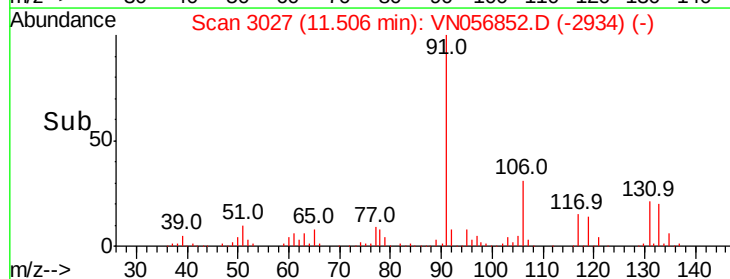
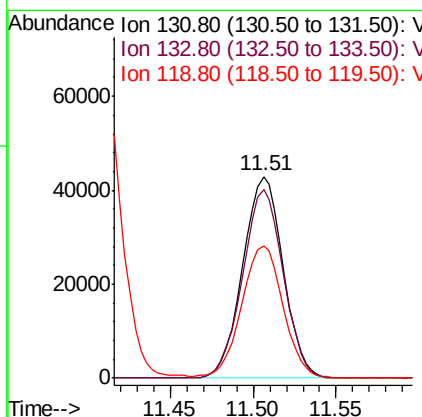
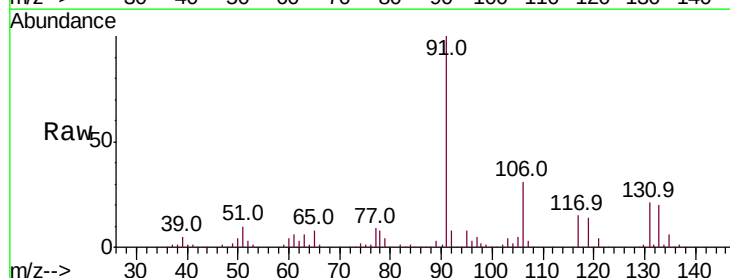
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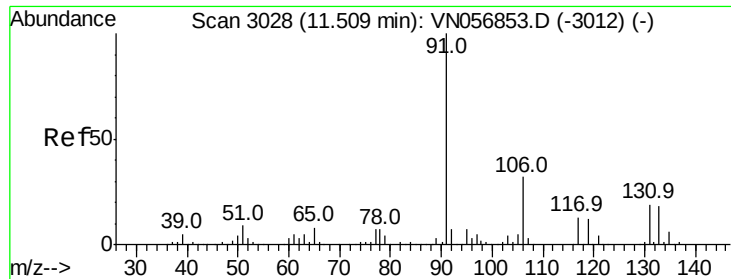
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.708 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion:131 Resp: 72700
Ion Ratio Lower Upper
131 100
133 93.8 47.4 142.3
119 67.6 33.1 99.5





#67

Ethyl Benzene

Concen: 20.270 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 339392

Ion Ratio Lower Upper

91 100

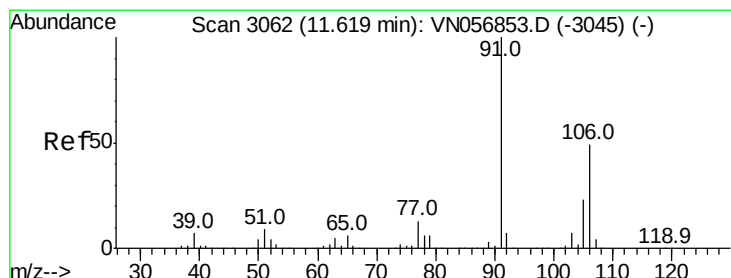
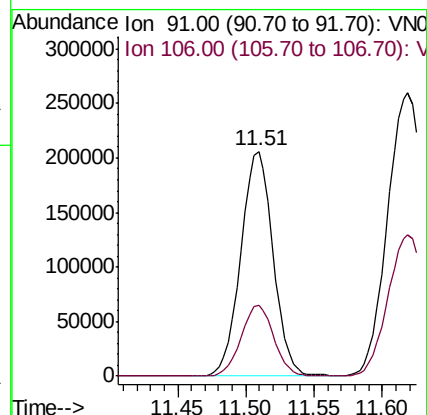
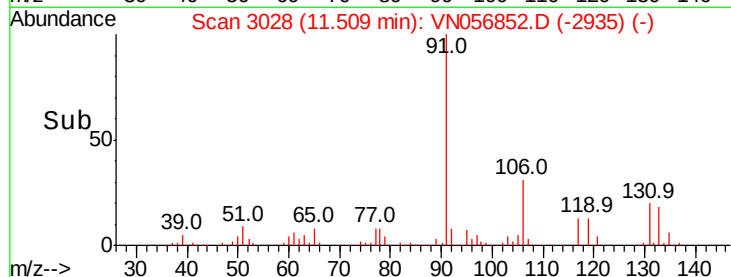
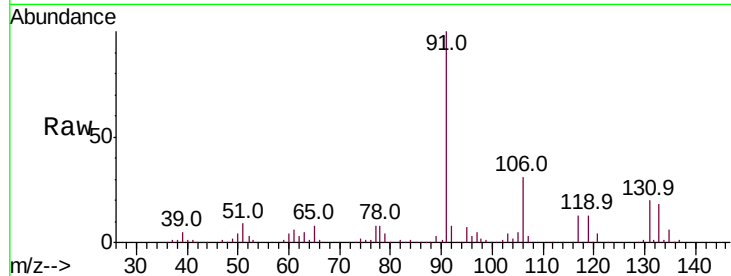
106 31.4 25.3 37.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.497 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056852.D

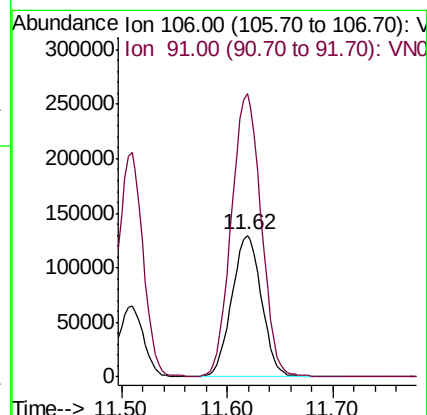
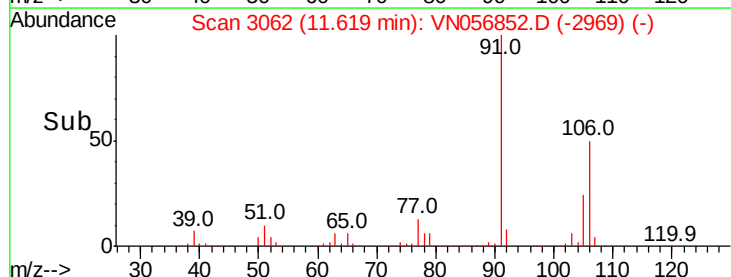
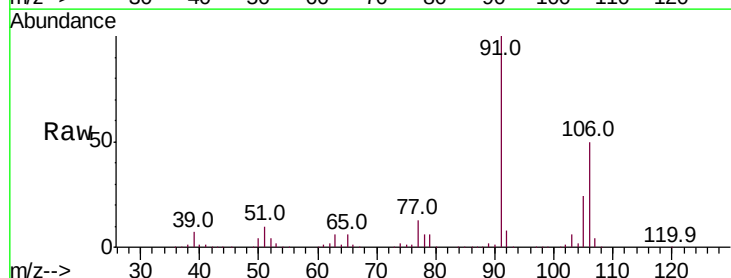
Acq: 22 Jul 2019 12:45

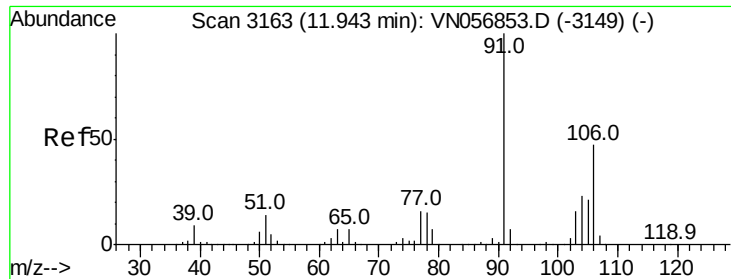
Tgt Ion: 106 Resp: 253279

Ion Ratio Lower Upper

106 100

91 200.4 160.5 240.7





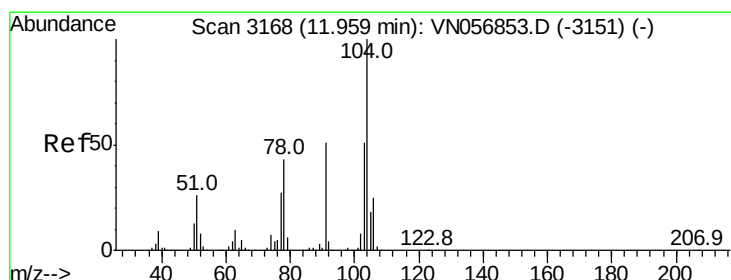
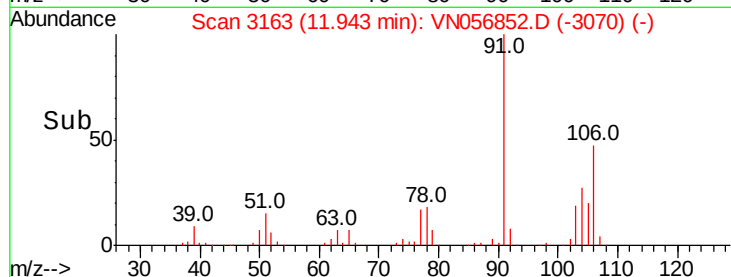
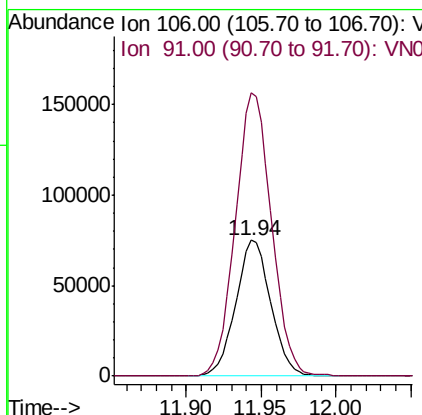
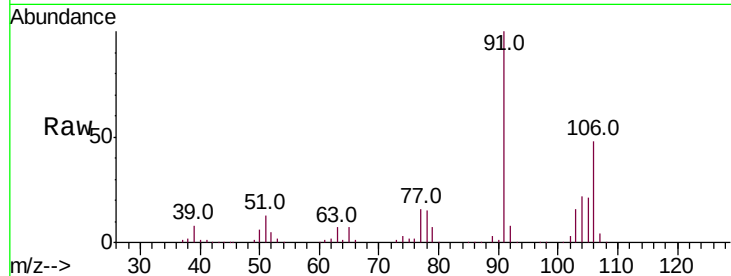
#69
o-Xylene
Concen: 19.913 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 122472
Ion Ratio Lower Upper
106 100
91 214.5 105.1 315.3

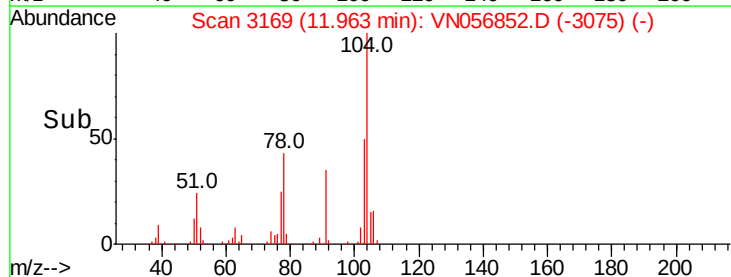
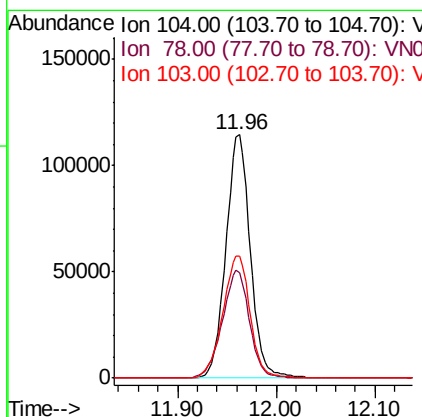
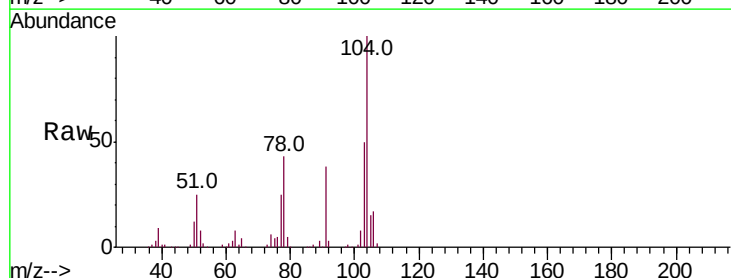
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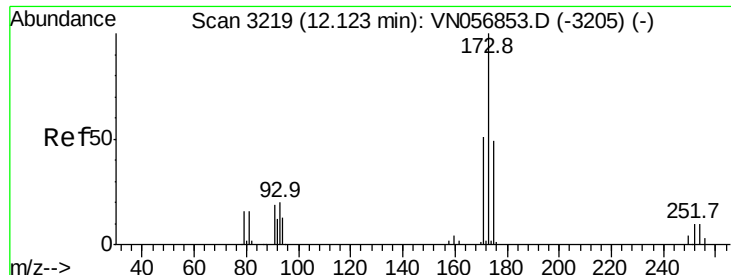
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#70
Styrene
Concen: 20.069 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion:104 Resp: 199335
Ion Ratio Lower Upper
104 100
78 49.1 38.1 57.1
103 55.6 44.2 66.4





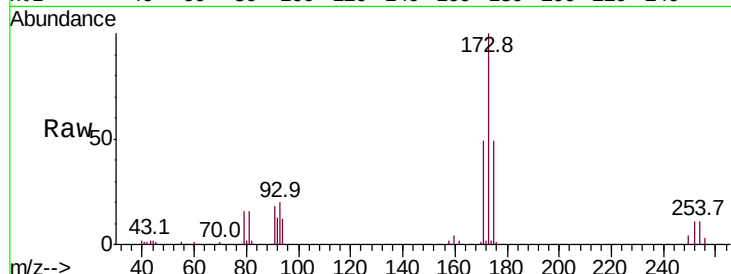
#71
Bromoform
Concen: 18.742 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

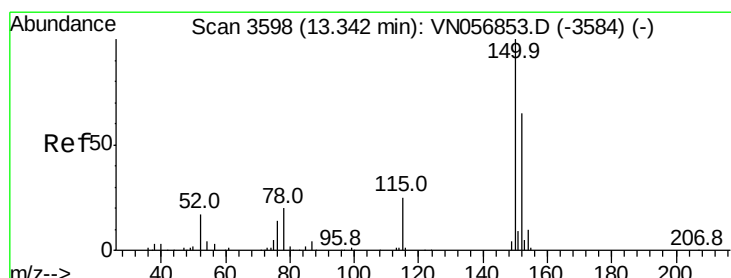
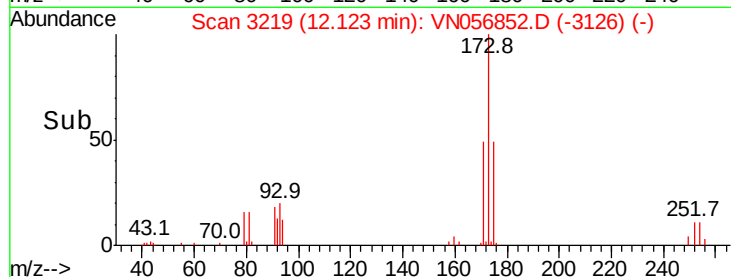
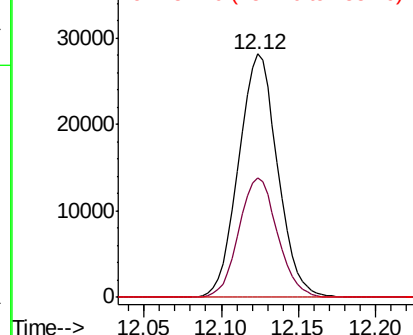
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.0	0.0	0.0

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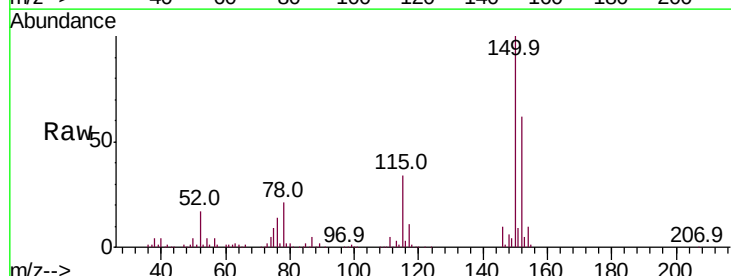


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

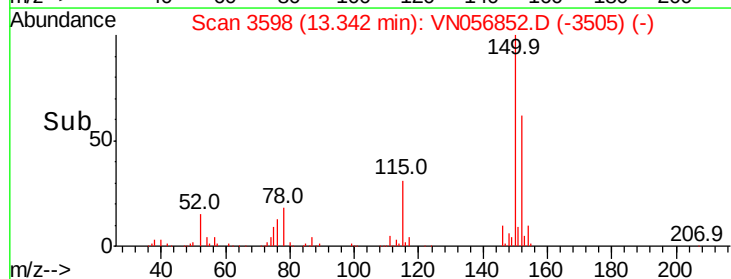
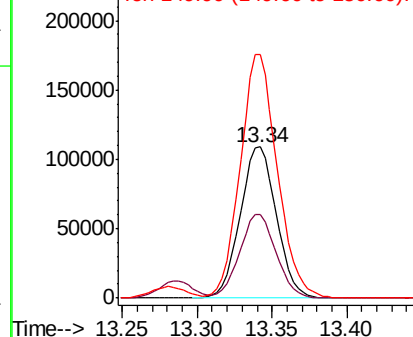


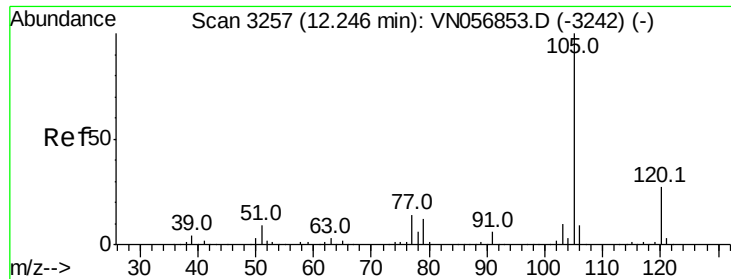
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.6	82.7
150	165.4	0.0	343.0



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





#73

Isopropylbenzene

Concen: 21.731 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 326620

Ion Ratio Lower Upper

105 100

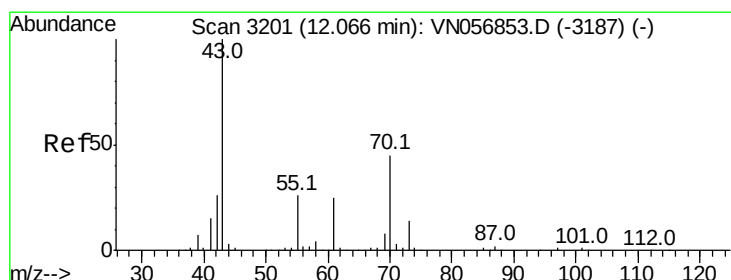
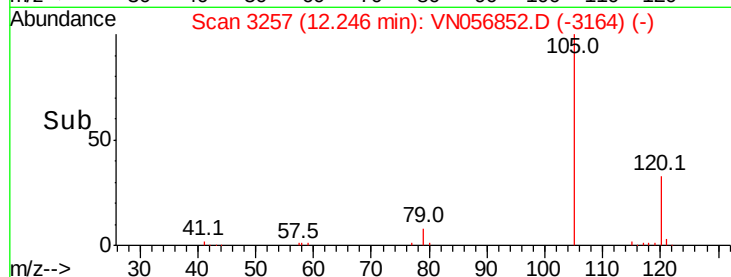
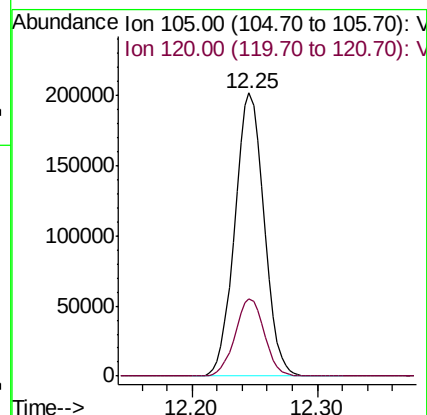
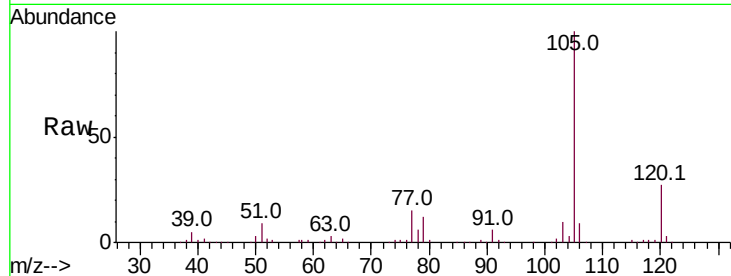
120 27.3 13.4 40.2

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#74

N-ethyl acetate

Concen: 19.473 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Tgt Ion: 43 Resp: 106598

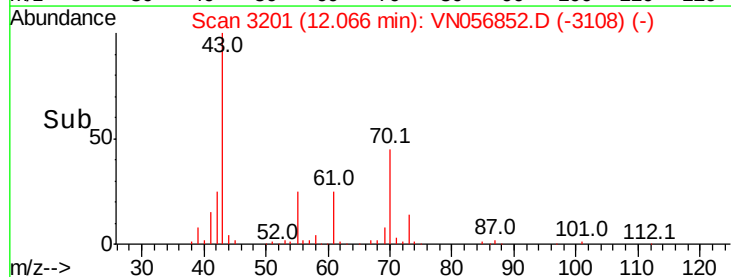
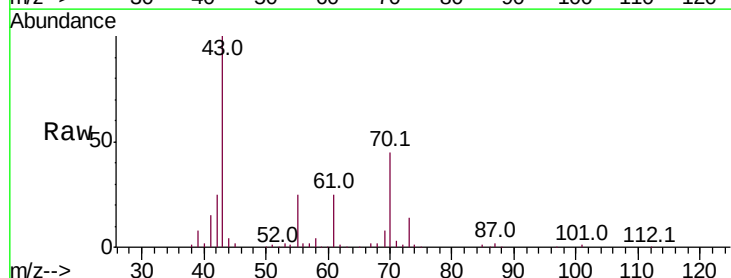
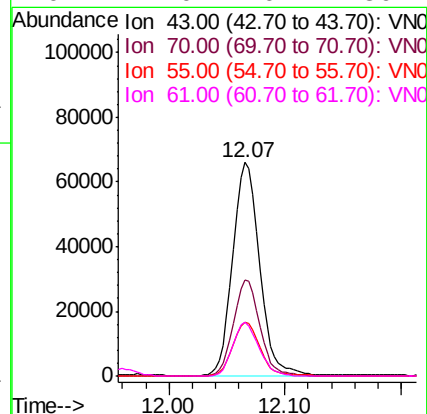
Ion Ratio Lower Upper

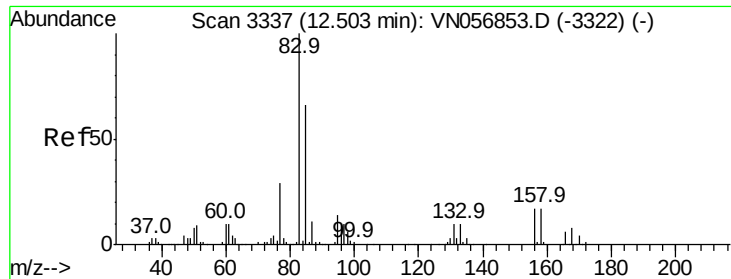
43 100

70 43.4 35.3 52.9

55 25.4 20.6 31.0

61 24.0 20.2 30.2





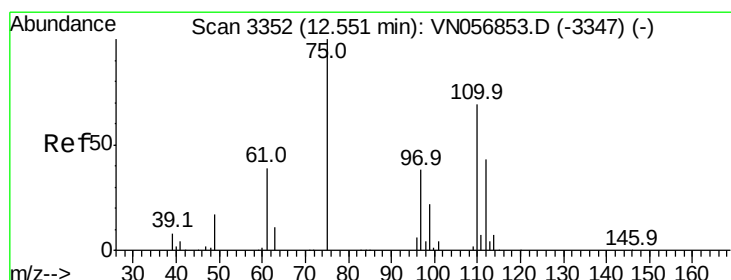
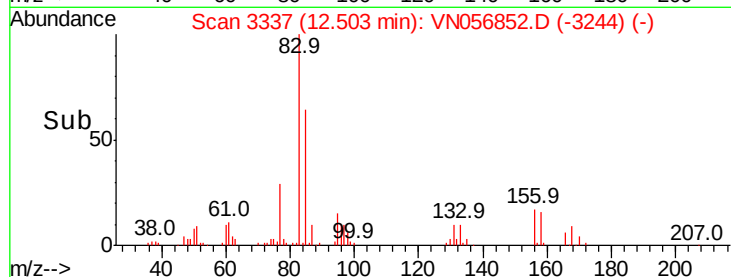
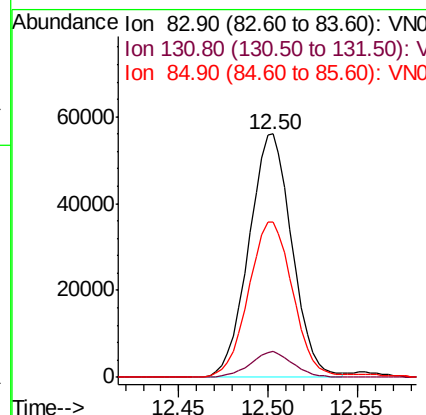
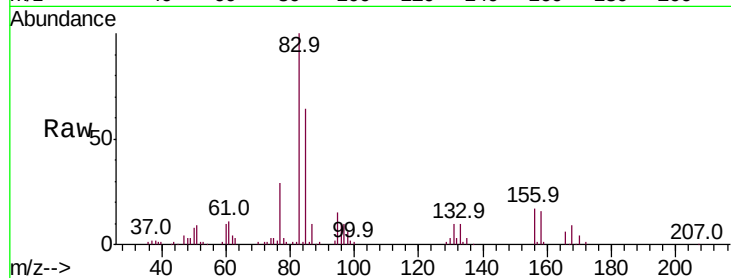
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.100 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	65.5	32.8	98.3

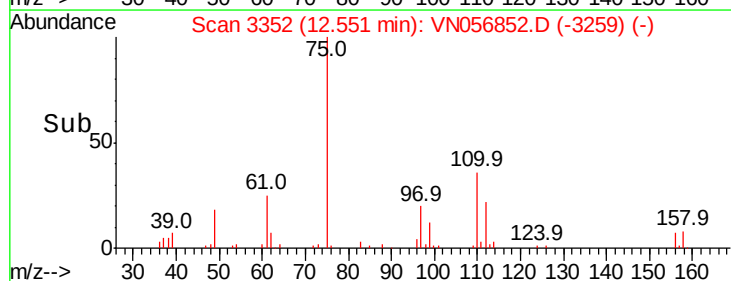
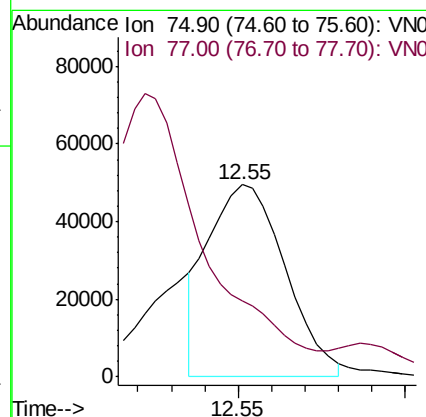
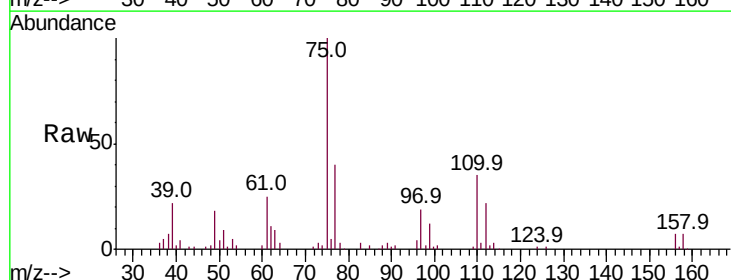
Manual Integrations
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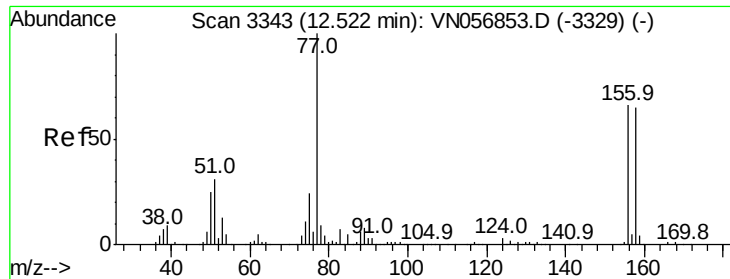
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#76
 1,2,3-Trichloropropane
 Concen: 20.059 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.221 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

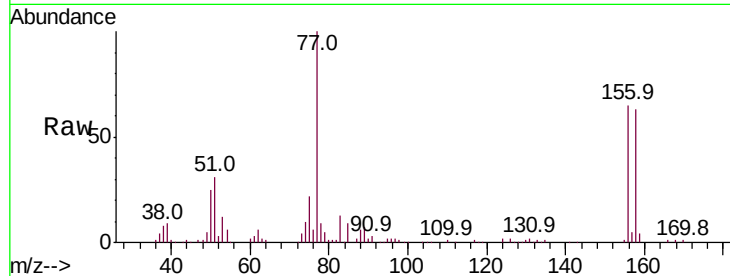
ClientSampleId :

VSTDIC020

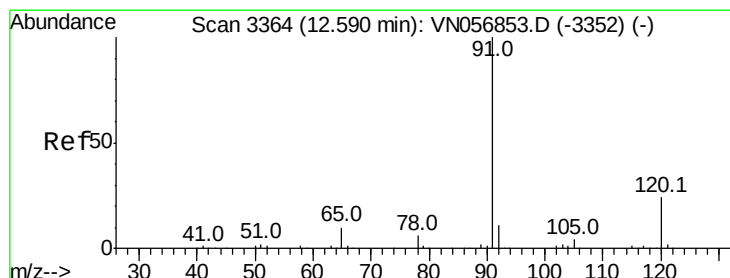
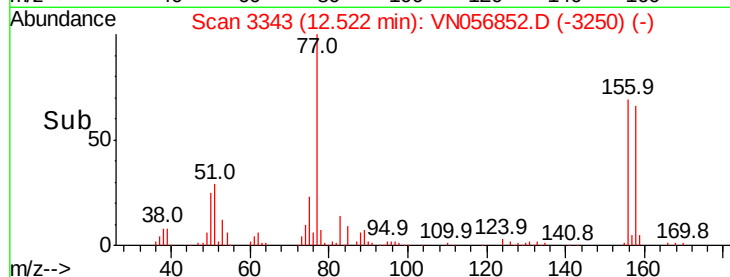
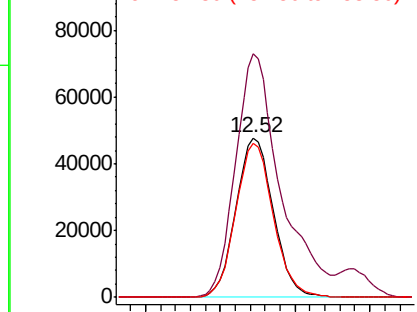
Tot Ion:	156	Resp:	83361
Ion	Ratio	Lower	Upper
156	100		
77	183.5	90.7	272.1
158	96.9	48.5	145.5

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.679 ug/l

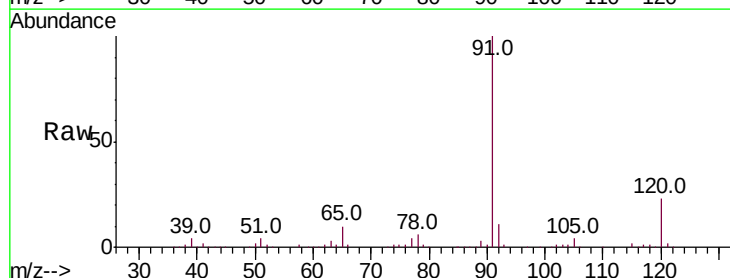
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

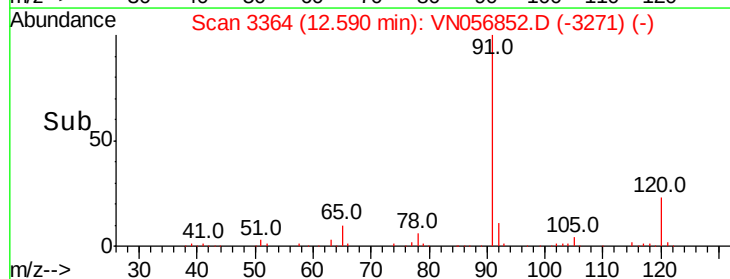
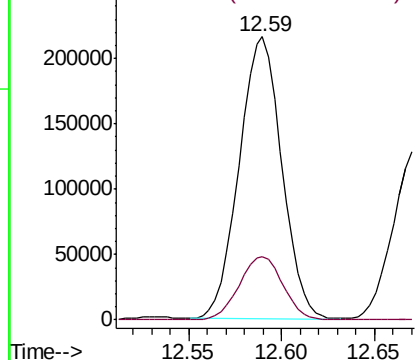
Lab File: VN056852.D

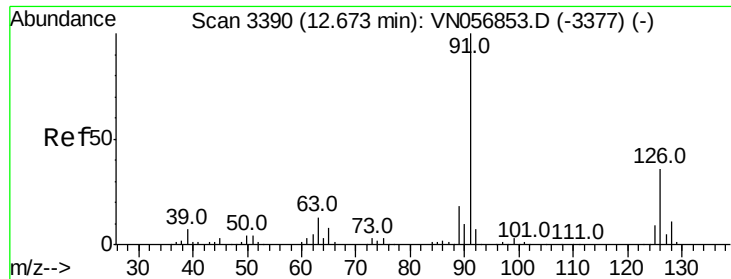
Acq: 22 Jul 2019 12:45

Tgt Ion:	91	Resp:	343318
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





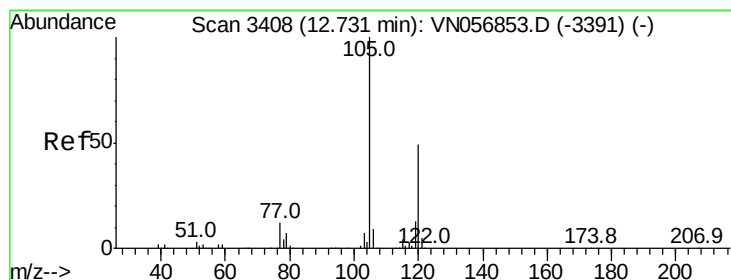
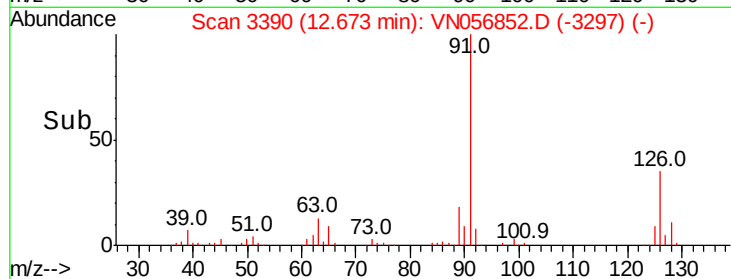
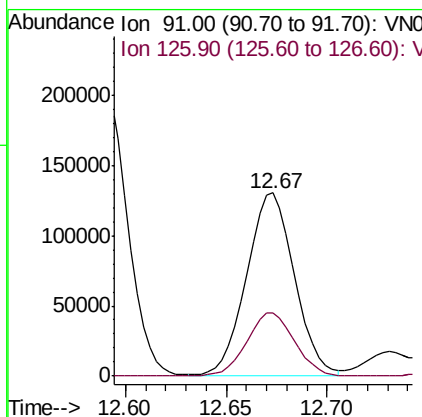
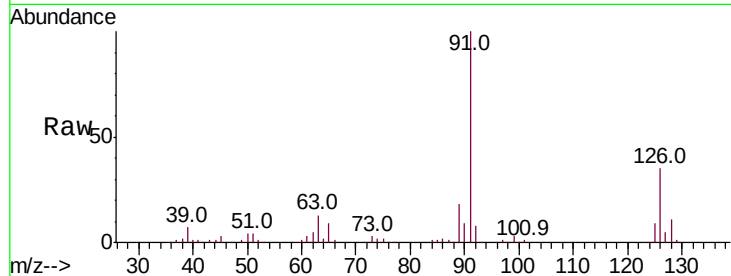
#79
2-Chlorotoluene
Concen: 20.823 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.5

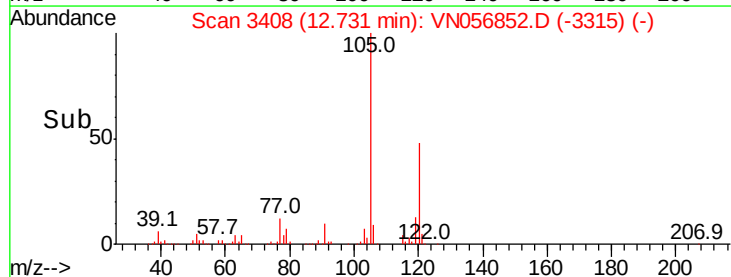
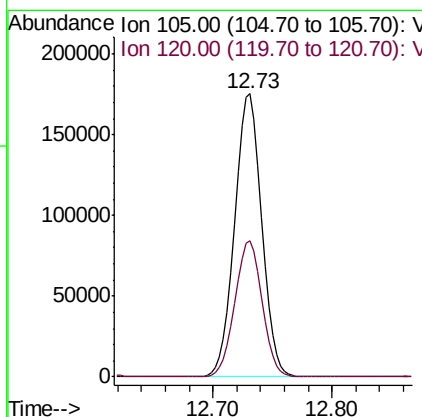
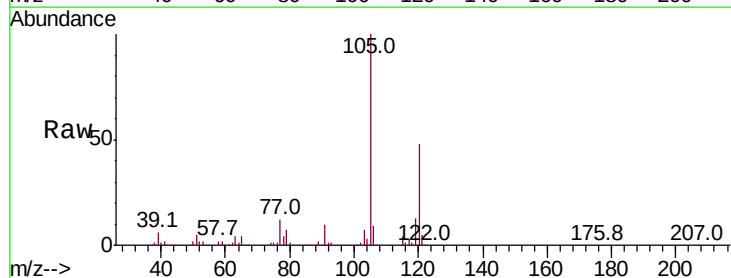
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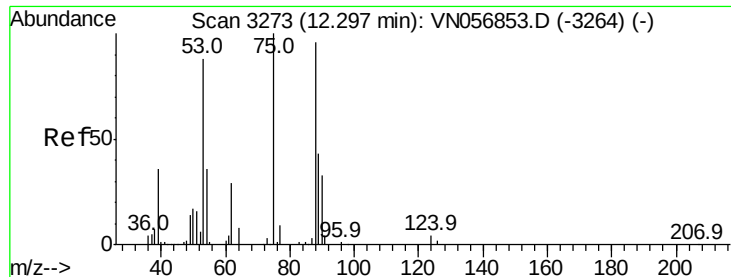
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.763 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.7	74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.356 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 23552

Ion Ratio Lower Upper

75 100

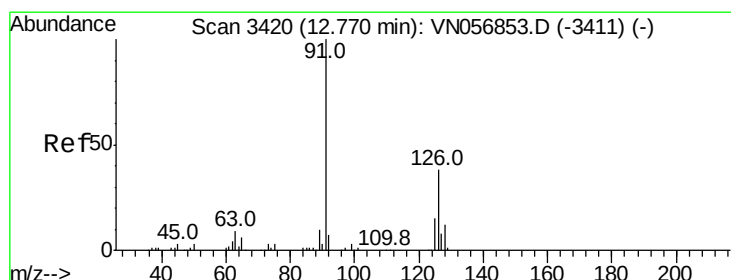
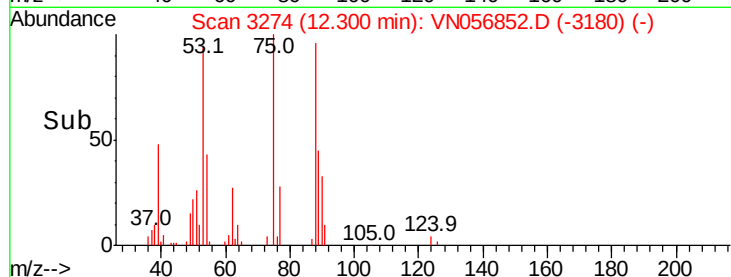
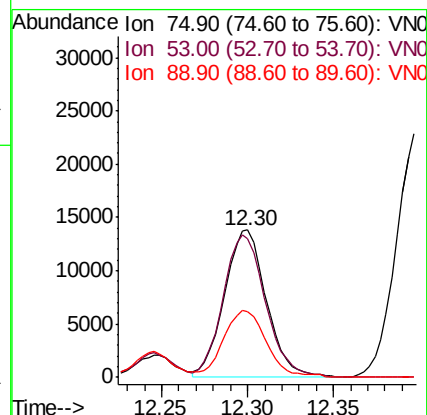
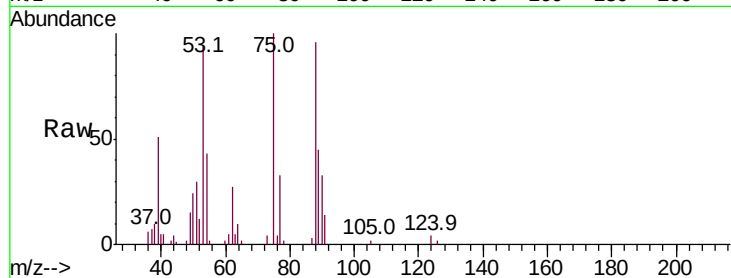
53 97.7 72.3 108.5

89 46.6 36.2 54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.330 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056852.D

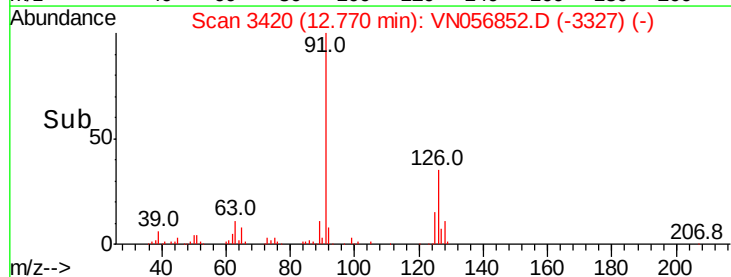
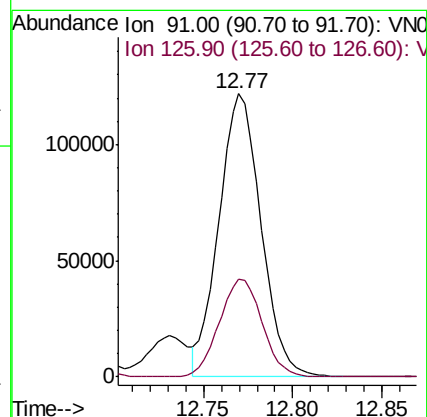
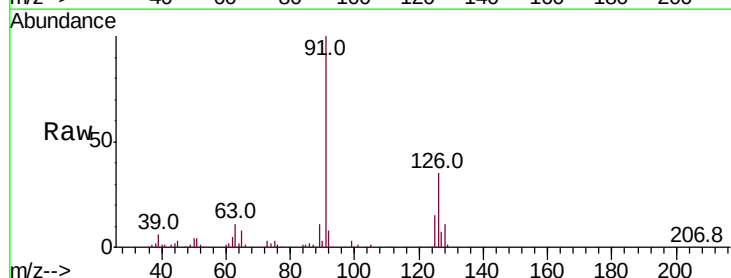
Acq: 22 Jul 2019 12:45

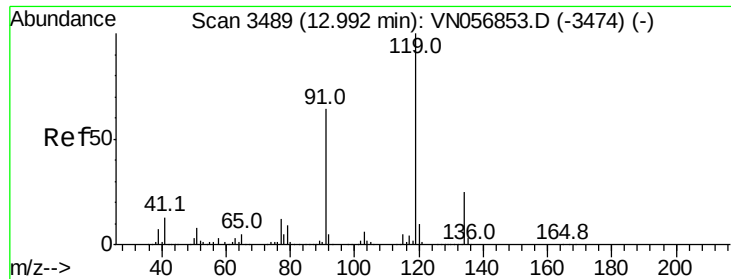
Tgt Ion: 91 Resp: 198202

Ion Ratio Lower Upper

91 100

126 35.5 17.3 52.0





#83

tert-Butylbenzene

Concen: 21.380 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

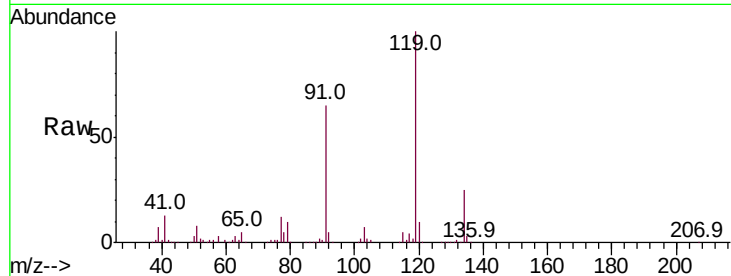
ClientSampleId :

VSTDIC020

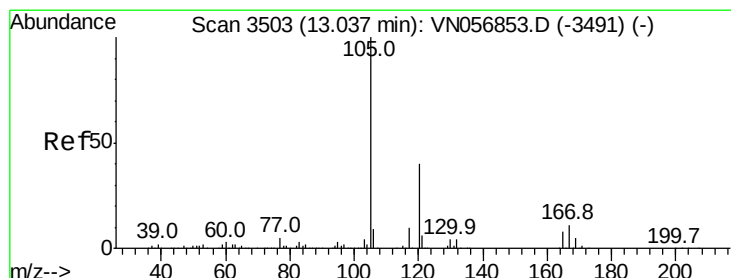
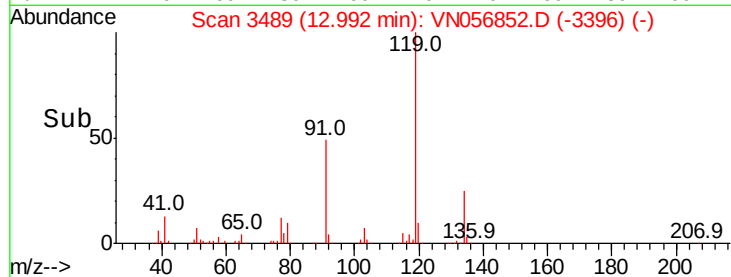
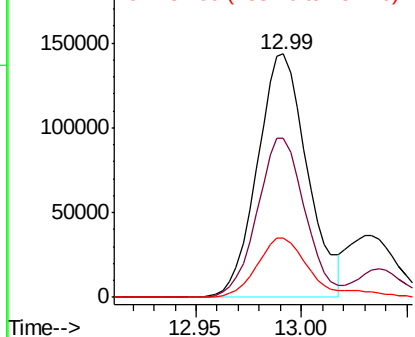
Tot Ion:	119	Resp:	236996
Ion Ratio	Lower	Upper	
119	100		
91	62.4	31.5	94.5
134	26.3	12.2	36.6

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.629 ug/l

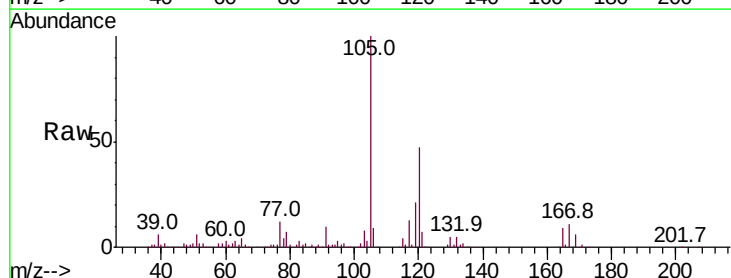
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

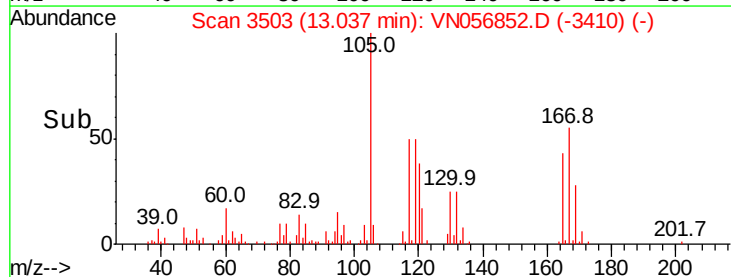
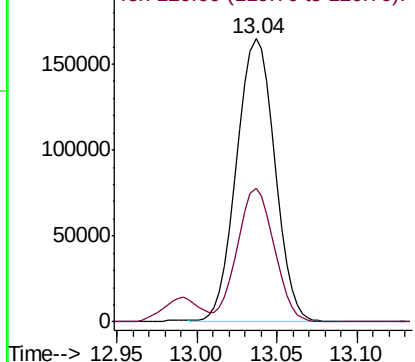
Lab File: VN056852.D

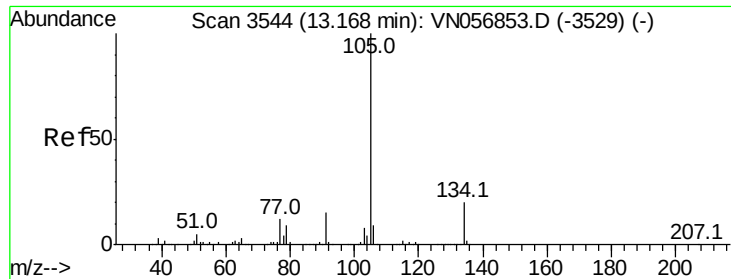
Acq: 22 Jul 2019 12:45

Tgt Ion:	105	Resp:	267938
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.2	69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.416 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 302835

Ion Ratio Lower Upper

105 100

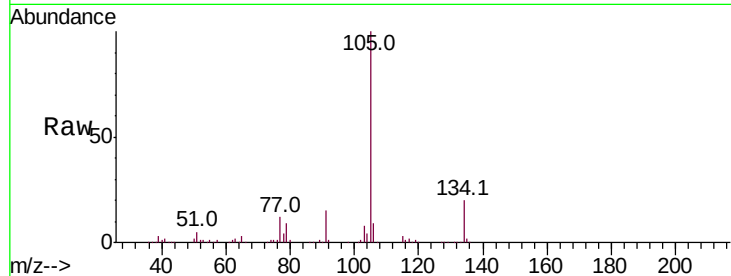
134 20.4 10.1 30.1

Manual Integrations

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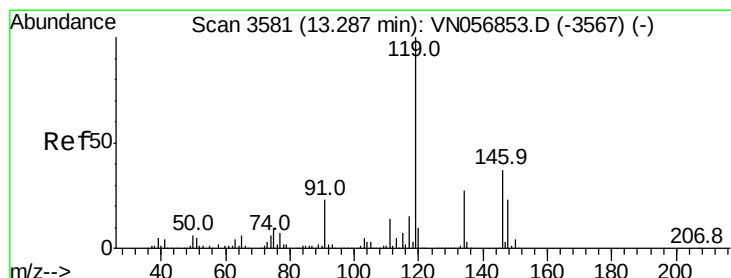
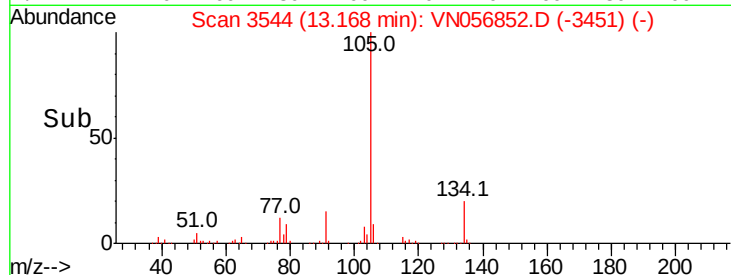
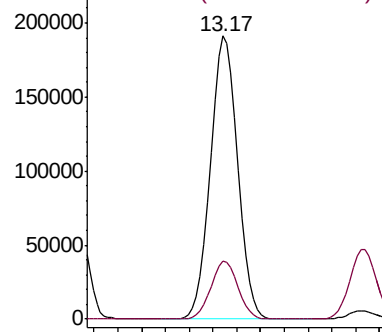
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.309 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

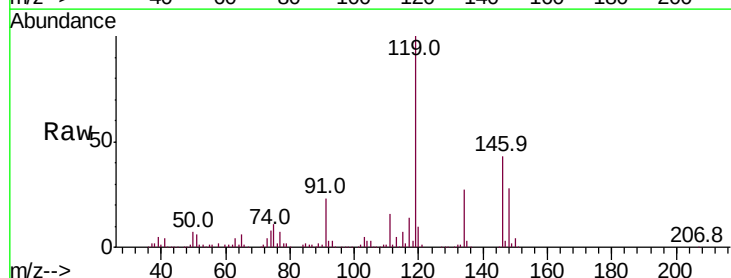
Tgt Ion:119 Resp: 272427

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

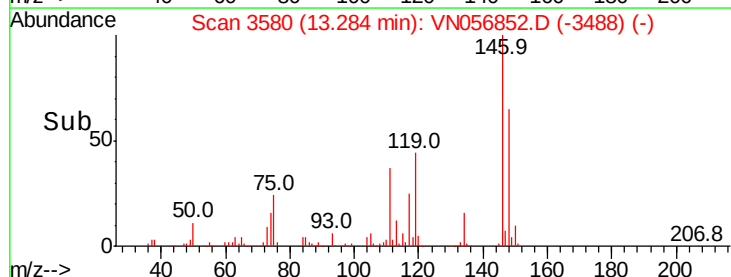
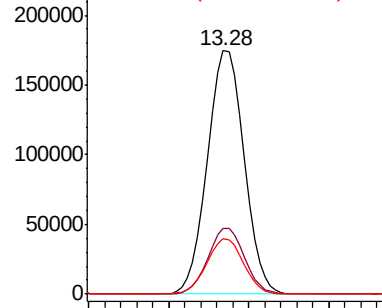
91 22.8 11.3 33.8

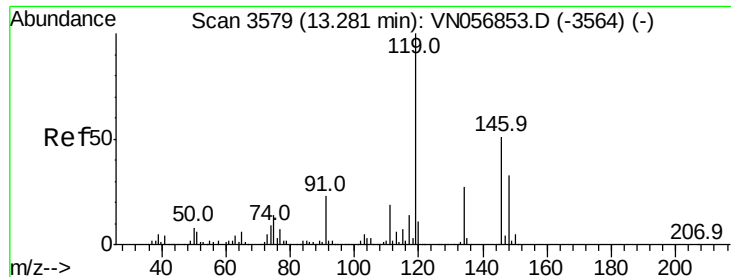


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





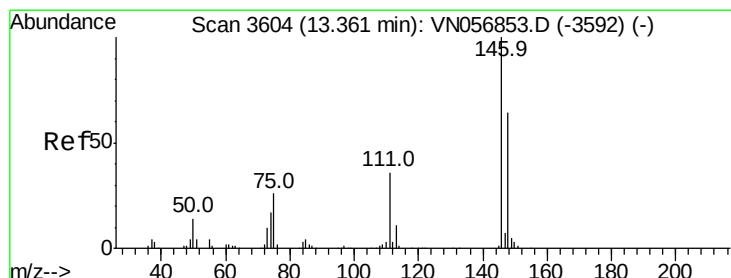
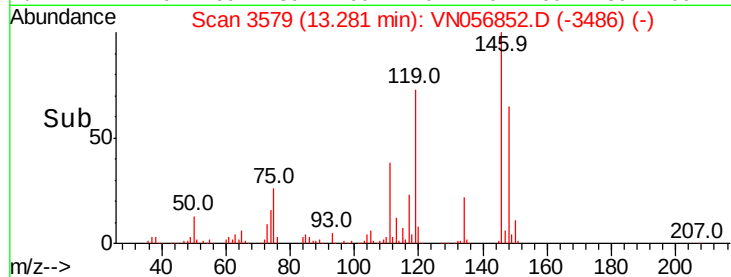
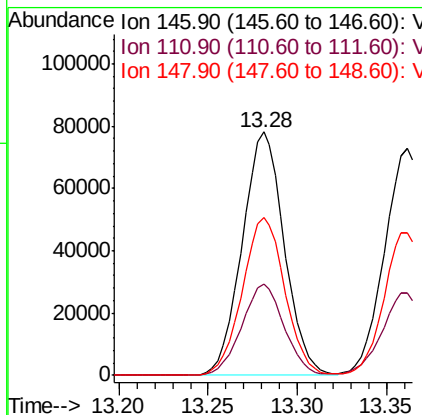
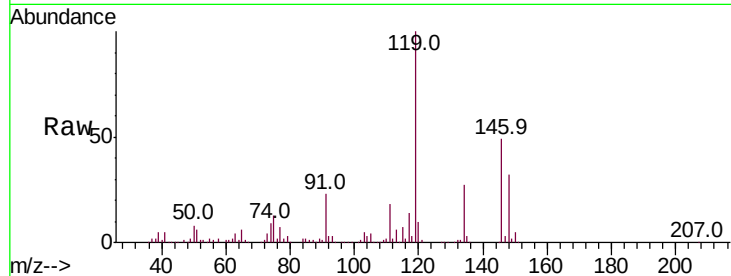
#87
 1,3-Dichlorobenzene
 Concen: 20.108 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	65.4	32.1	96.3

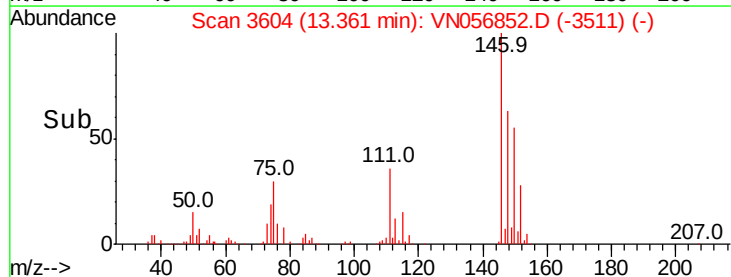
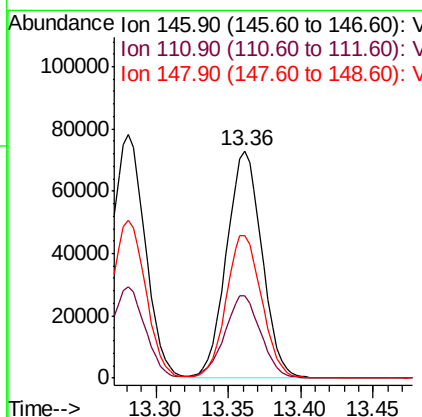
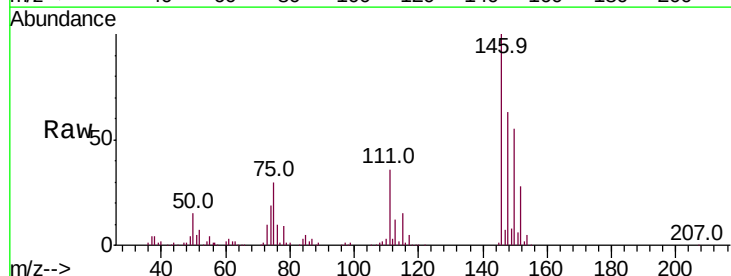
Manual Integrations
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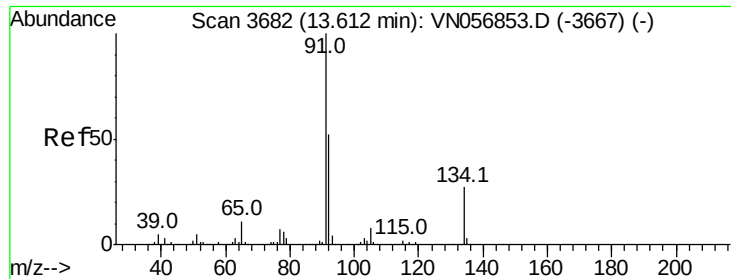
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#88
 1,4-Dichlorobenzene
 Concen: 19.941 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	62.9	32.1	96.3





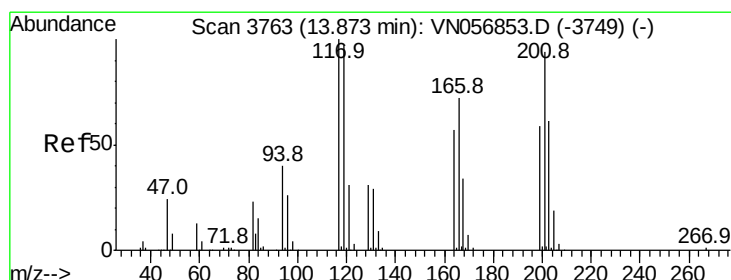
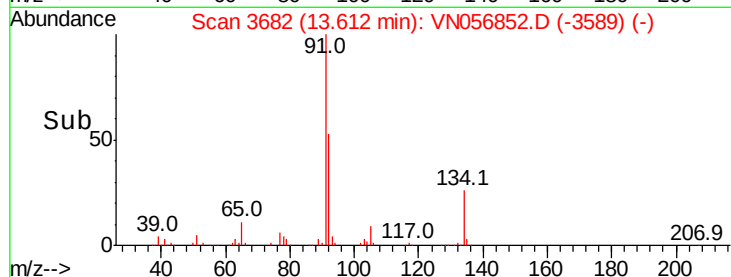
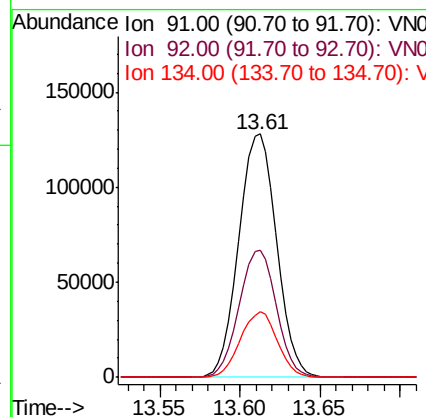
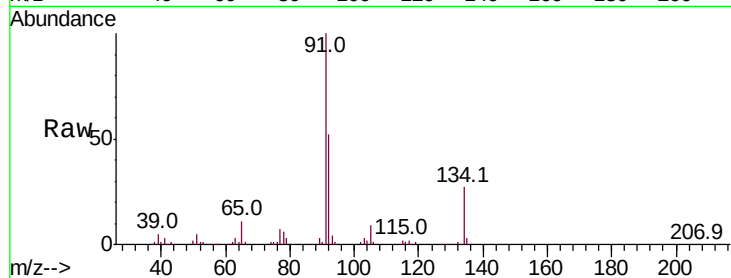
#89
n-Butylbenzene
Concen: 20.122 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	26.3	13.3	39.9

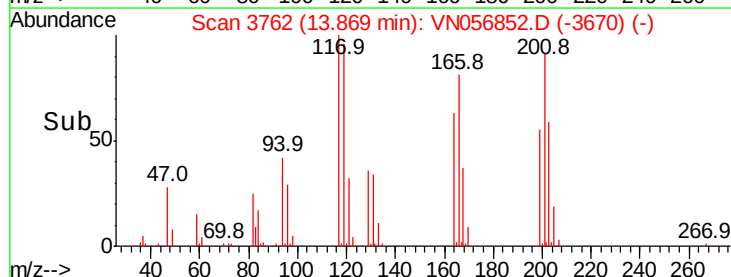
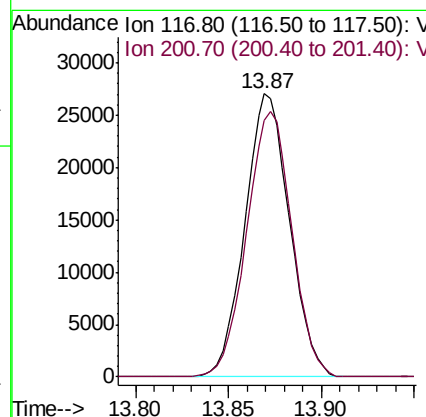
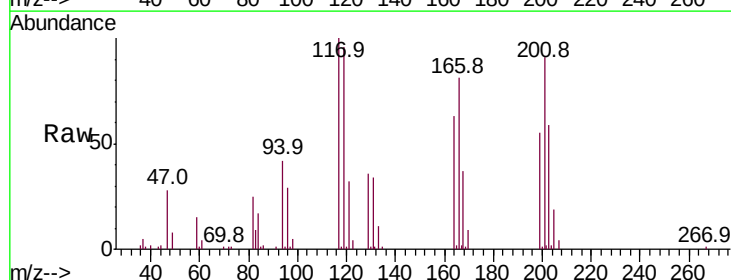
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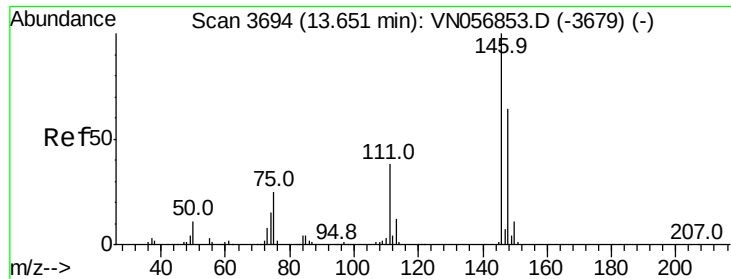
MMDadoda
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#90
Hexachloroethane
Concen: 21.663 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056852.D
Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	47.1	141.3





#91

1,2-Dichlorobenzene

Concen: 19.867 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

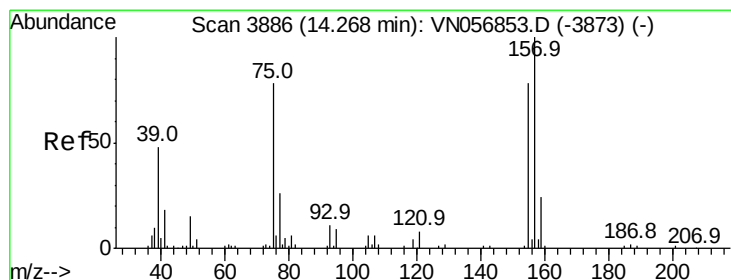
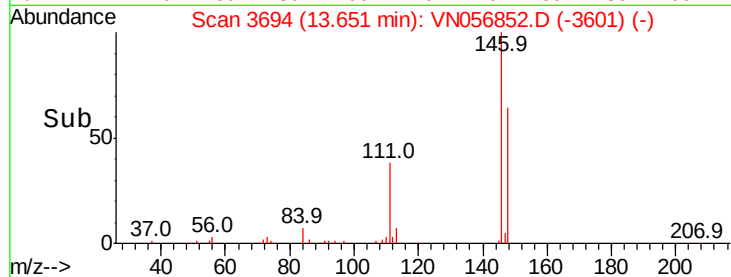
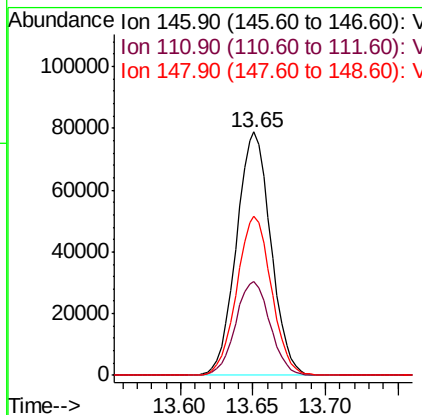
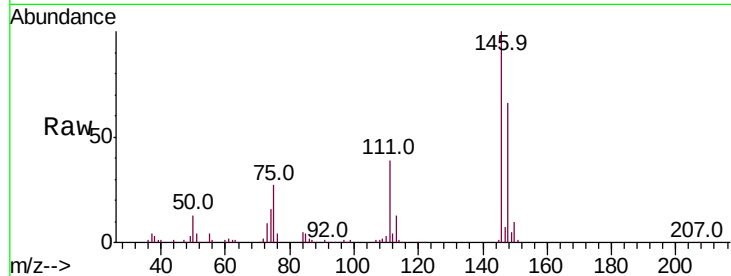
ClientSampleID :

VSTDIC020

Tot Ion:	146	Resp:	129581
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.5
148	66.0	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.488 ug/l

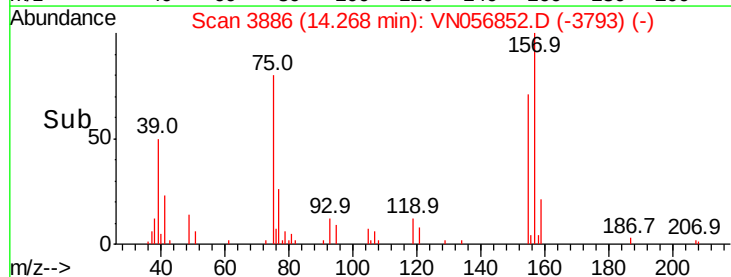
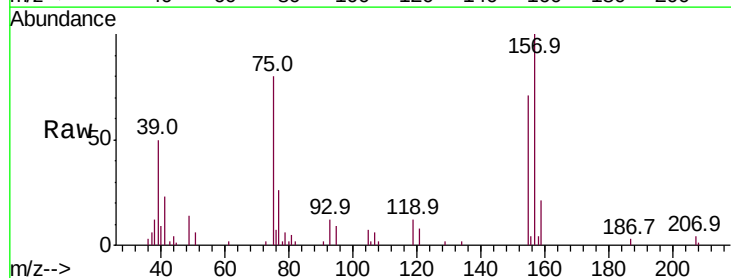
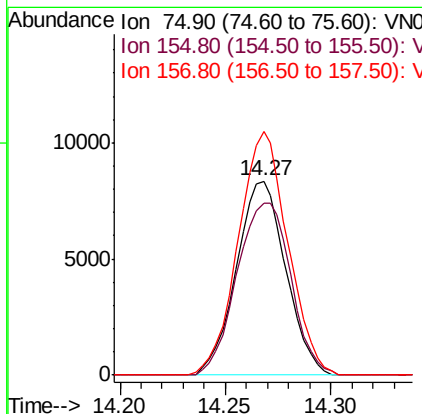
RT: 14.27 min Scan# 3886

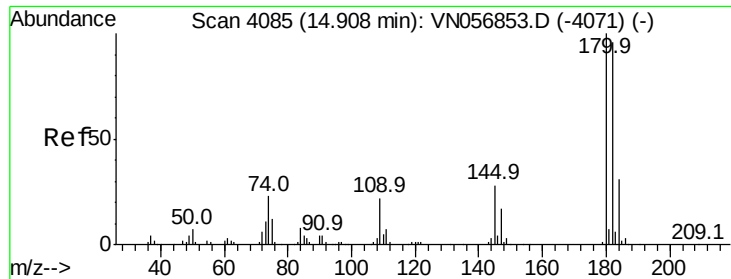
Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Tgt Ion:	75	Resp:	13576
Ion Ratio	Lower	Upper	
75	100		
155	96.7	49.9	149.6
157	126.0	64.8	194.4





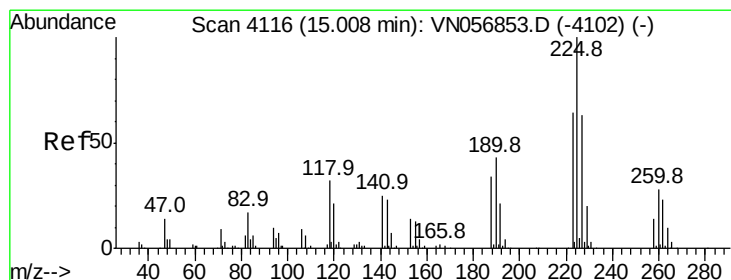
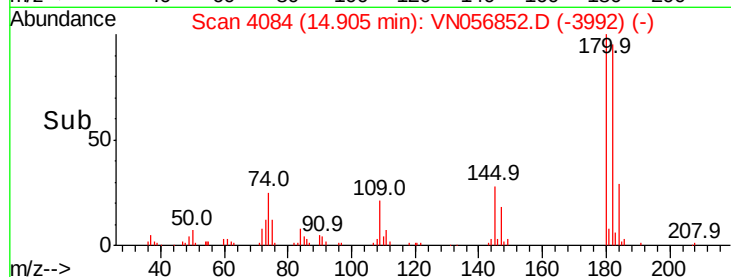
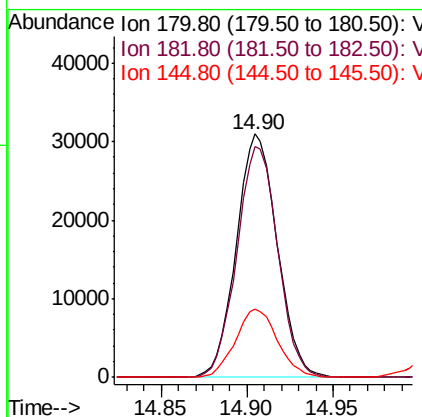
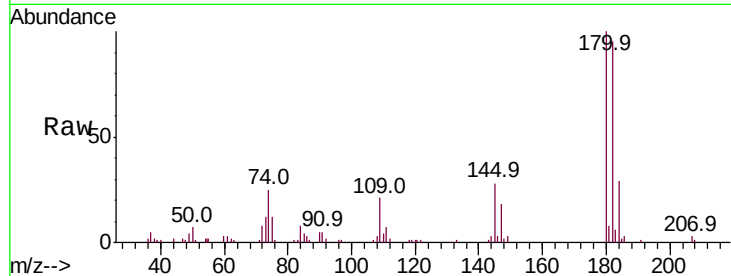
#93
 1,2,4-Trichlorobenzene
 Concen: 17.347 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.7
145	28.8	14.1	42.3

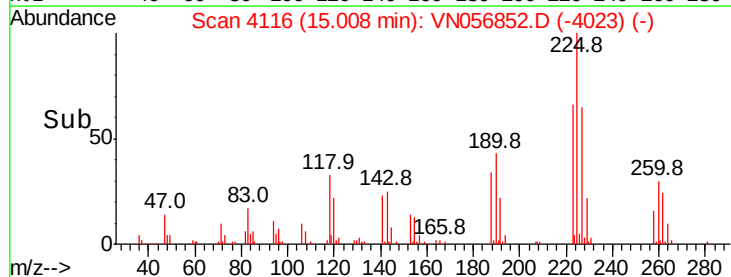
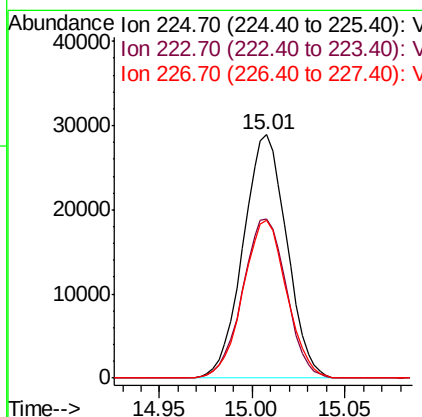
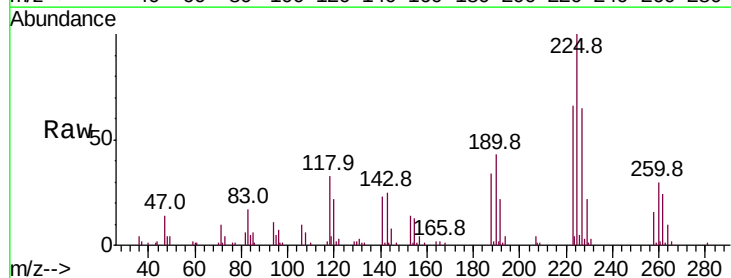
Manual Integrations
 APPROVED

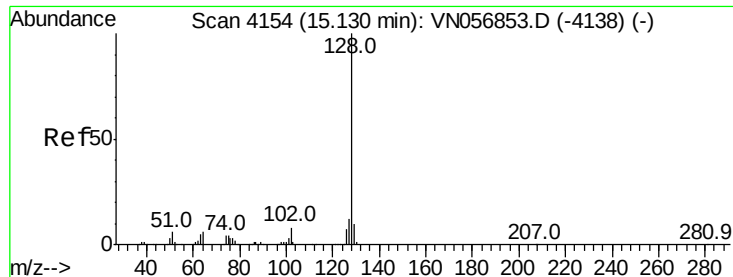
MMDadoda
 7/25/2019 3:01:14 PM



#94
 Hexachlorobutadiene
 Concen: 20.047 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056852.D
 Acq: 22 Jul 2019 12:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.9	95.5
227	65.0	31.7	95.1





#95

Naphthalene

Concen: 16.411 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Instrument :

MSVOA_N

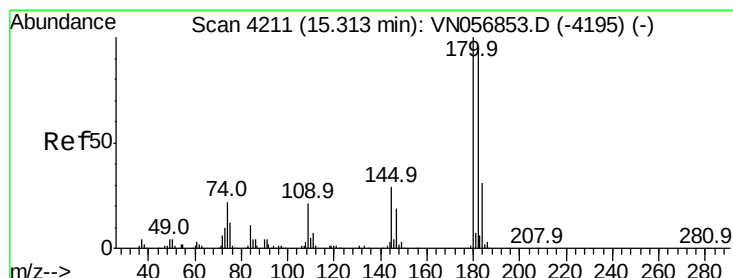
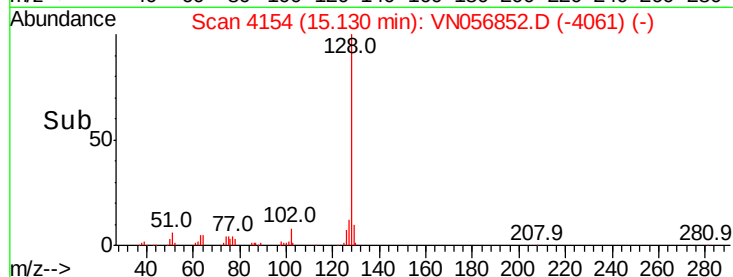
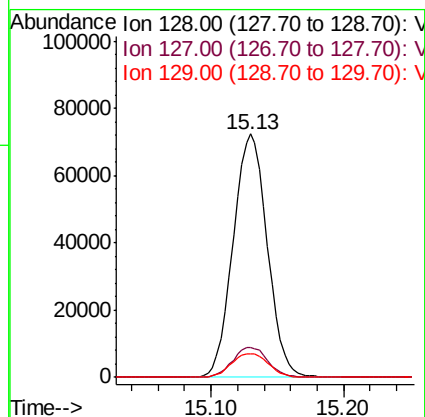
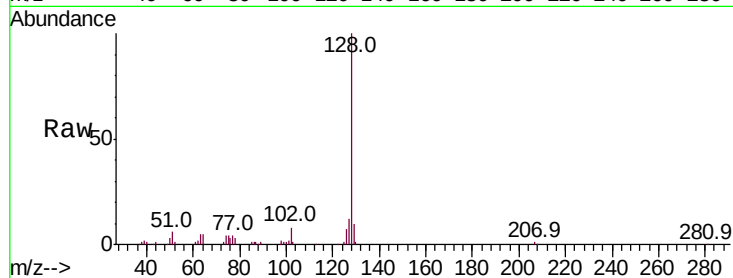
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	128839
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
7/25/2019 3:01:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.274 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056852.D

Acq: 22 Jul 2019 12:45

Tgt Ion:	180	Resp:	59186
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.1	144.3
145	29.8	14.7	44.1

