

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055979.D
 Acq On : 4 Jun 2019 10:02
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:40 PM

Quant Time: Jun 04 10:28:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 10:09:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	327508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	473334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	319967	96.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.80%	
35) Dibromofluoromethane	7.59	113	289510	99.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.90%	
50) Toluene-d8	10.09	98	1123744	100.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.76%	
62) 4-Bromofluorobenzene	12.40	95	404555	110.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	362829	120.228	ug/l	99
3) Chloromethane	2.06	50	374565	108.253	ug/l	100
4) Vinyl Chloride	2.18	62	372323	107.273	ug/l	99
5) Bromomethane	2.52	94	205491	83.532	ug/l	99
6) Chloroethane	2.67	64	200357	95.437	ug/l	98
7) Trichlorofluoromethane	3.00	101	454599	99.939	ug/l	99
8) Diethyl Ether	3.40	74	182685	96.619	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	278656	101.098	ug/l	100
10) Methyl Iodide	3.94	142	458358	107.468	ug/l	99
11) Tert butyl alcohol	4.82	59	287451	507.604	ug/l	100
12) 1,1-Dichloroethene	3.72	96	281873	104.168	ug/l	97
13) Acrolein	3.60	56	82859	513.155	ug/l	99
14) Allyl chloride	4.31	41	450392	106.129	ug/l	99
15) Acrylonitrile	4.99	53	726257	543.033	ug/l	99
16) Acetone	3.82	43	756853	475.125	ug/l	100
17) Carbon Disulfide	4.03	76	730596	119.030	ug/l	100
18) Methyl Acetate	4.32	43	300553	83.332	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	873145	99.768	ug/l	100
20) Methylene Chloride	4.54	84	317216	98.673	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	298695	102.269	ug/l	96
22) Diisopropyl ether	5.95	45	901111	101.114	ug/l	97
23) Vinyl Acetate	5.89	43	3793890	559.483	ug/l	99
24) 1,1-Dichloroethane	5.84	63	515291	99.547	ug/l	99
25) 2-Butanone	6.84	43	1021539	529.521	ug/l	98
26) 2,2-Dichloropropane	6.82	77	405978	101.147	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	346911	100.500	ug/l	97
28) Bromochloromethane	7.19	49	247715	101.229	ug/l	97
29) Tetrahydrofuran	7.21	42	625913	522.783	ug/l	99
30) Chloroform	7.37	83	520553	100.012	ug/l	100
31) Cyclohexane	7.65	56	492596	92.647	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	448881	105.289	ug/l	99
36) 1,1-Dichloropropene	7.79	75	405109	99.211	ug/l	99
37) Ethyl Acetate	6.93	43	383360	108.952	ug/l	99
38) Carbon Tetrachloride	7.77	117	389224	105.722	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	512012	101.645	ug/l	99
40) Benzene	8.04	78	1238711	100.338	ug/l	100
41) Methacrylonitrile	7.17	41	181767	113.913	ug/l	97
42) 1,2-Dichloroethane	8.12	62	388849	96.466	ug/l	100
43) Isopropyl Acetate	8.17	43	620282	109.385	ug/l #	92
44) Trichloroethene	8.83	130	351331	98.715	ug/l	99
45) 1,2-Dichloropropane	9.12	63	317941	100.896	ug/l	98
46) Dibromomethane	9.20	93	211535	103.261	ug/l	100
47) Bromodichloromethane	9.40	83	400526	110.895	ug/l	99
48) Methyl methacrylate	9.20	41	302086	108.405	ug/l	97
49) 1,4-Dioxane	9.20	88	131552	2172.499	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1935165	537.094	ug/l	99
52) Toluene	10.15	92	786714	103.769	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	444367	124.204	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	499610	117.802	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	310951	103.440	ug/l	99
56) Ethyl methacrylate	10.43	69	488462	115.438	ug/l	99
57) 1,3-Dichloropropane	10.71	76	508602	104.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	895063	627.546	ug/l	99
59) 2-Hexanone	10.75	43	1416042	544.197	ug/l	98
60) Dibromochloromethane	10.90	129	339860	126.356	ug/l	99
61) 1,2-Dibromoethane	11.00	107	332058	110.536	ug/l	99
64) Tetrachloroethene	10.63	164	349454	89.201	ug/l	98
65) Chlorobenzene	11.43	112	852980	97.852	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	314636	108.652	ug/l	99
67) Ethyl Benzene	11.51	91	1503849	99.995	ug/l	99
68) m/p-Xylenes	11.62	106	1169613	205.008	ug/l	99
69) o-Xylene	11.95	106	568767	100.524	ug/l	100
70) Styrene	11.96	104	971928	112.756	ug/l	99
71) Bromoform	12.13	173	258692	133.410	ug/l #	100
73) Isopropylbenzene	12.25	105	1490202	78.926	ug/l	100
74) N-amyl acetate	12.07	43	539051	89.802	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	437104	80.984	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	355231m	80.135	ug/l	
77) Bromobenzene	12.53	156	413351	84.194	ug/l	96
78) n-propylbenzene	12.59	91	1659777	86.420	ug/l	100
79) 2-Chlorotoluene	12.67	91	986622	79.504	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1271646	81.775	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	131350	118.064	ug/l	98
82) 4-Chlorotoluene	12.77	91	1001226	90.046	ug/l	100
83) tert-Butylbenzene	12.99	119	1101073	78.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1264676	87.623	ug/l	99
85) sec-Butylbenzene	13.17	105	1443414	83.888	ug/l	100
86) p-Isopropyltoluene	13.29	119	1342093	88.748	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	699524	95.772	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	680819	97.694	ug/l	100
89) n-Butylbenzene	13.61	91	1096570	102.915	ug/l	100
90) Hexachloroethane	13.87	117	214019	97.016	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	678698	90.492	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76507	110.643	ug/l	96

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	404134	139.704	ug/l	99
94) Hexachlorobutadiene	15.01	225	242684	79.965	ug/l	99
95) Naphthalene	15.13	128	1051052	139.875	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	405832	126.135	ug/l	100

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

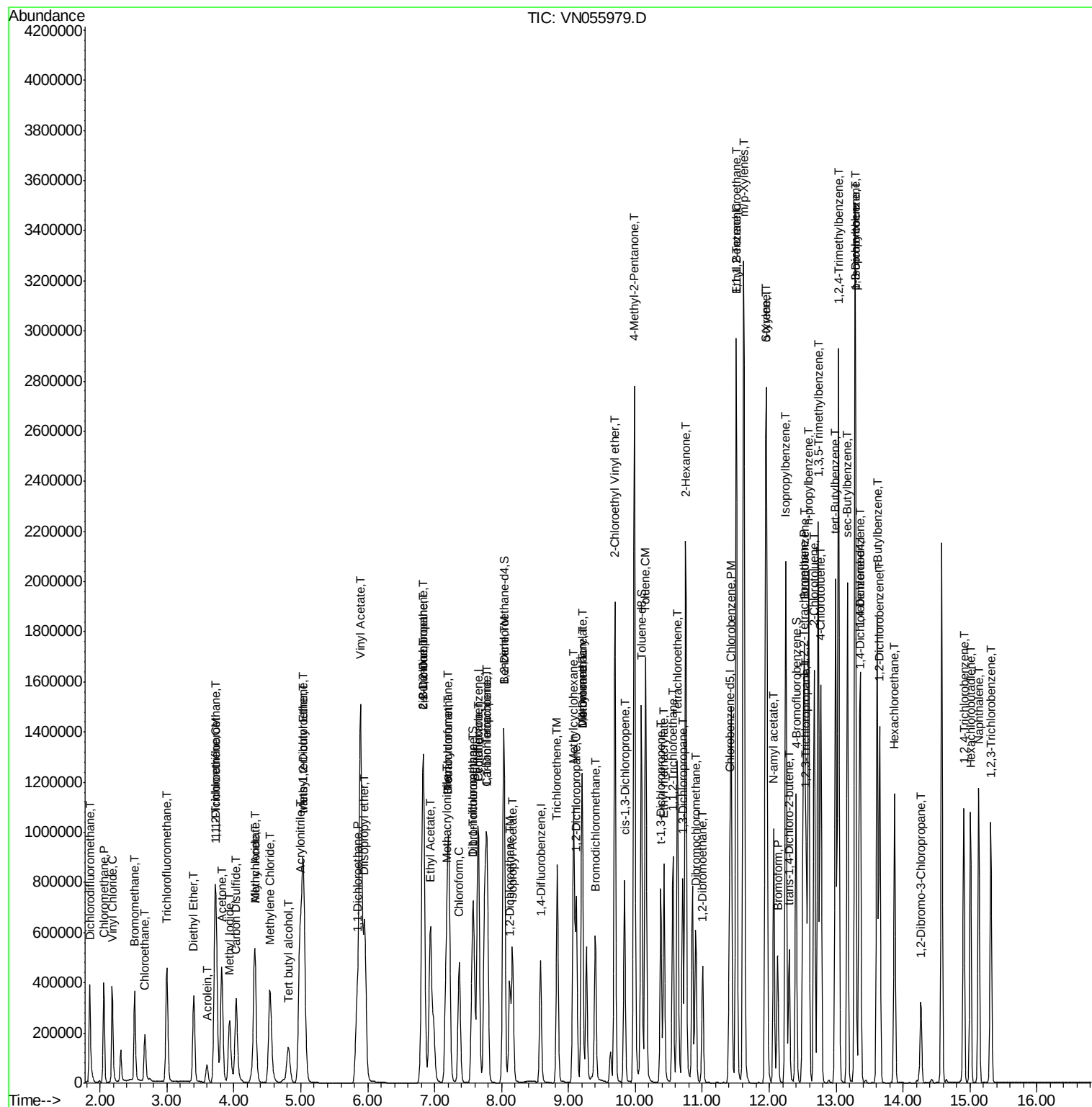
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Data File : VN055979.D
Acq On : 4 Jun 2019 10:02
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
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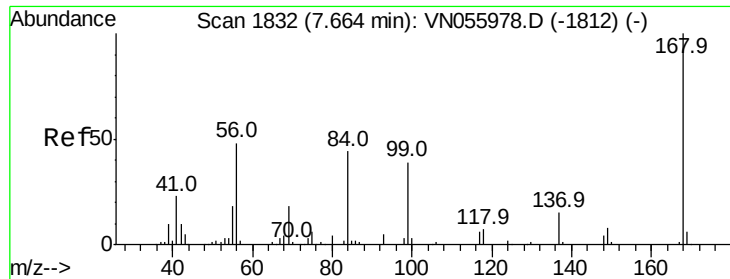
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 327508

Ion Ratio Lower Upper

168 100

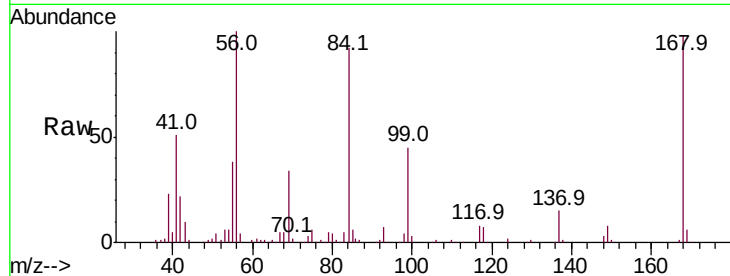
99 45.4 37.2 55.8

Manual Integrations

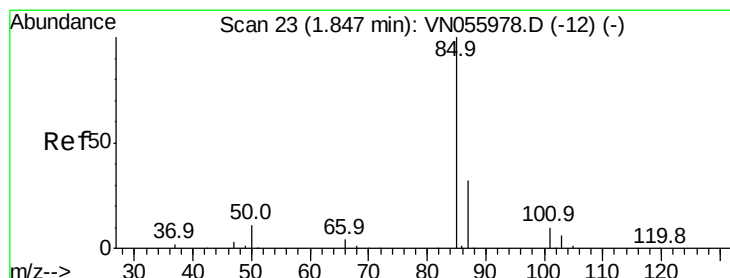
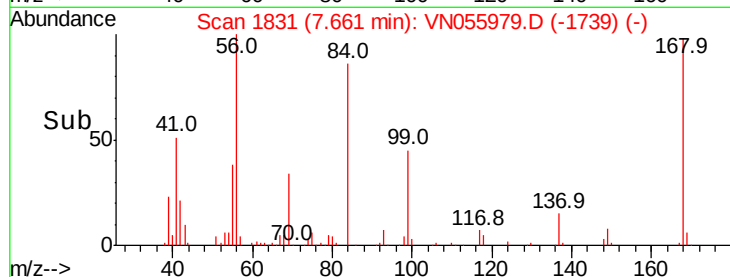
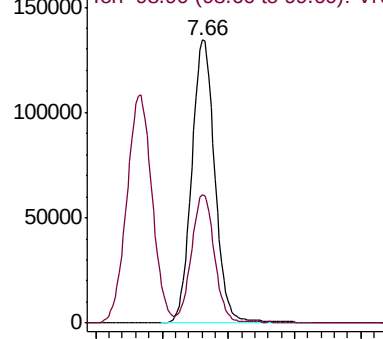
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6/5/2019 4:03:40 PM



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)



#2

Dichlorodifluoromethane

Concen: 120.228 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055979.D

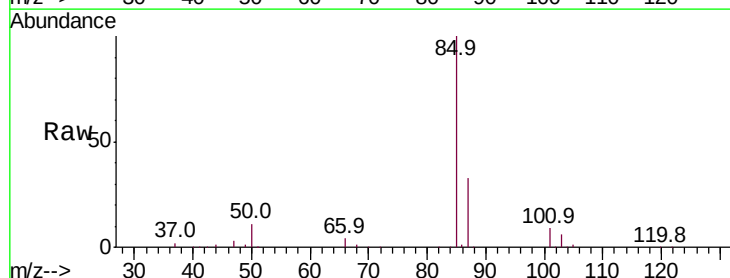
Acq: 4 Jun 2019 10:02

Tgt Ion: 85 Resp: 362829

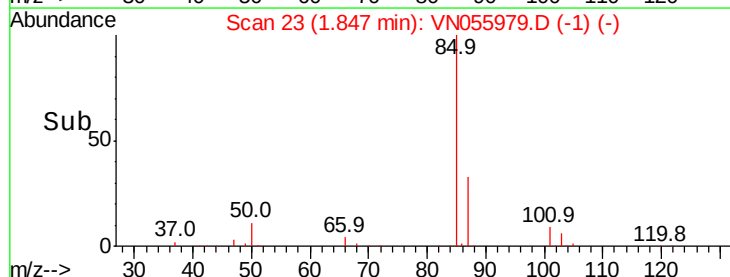
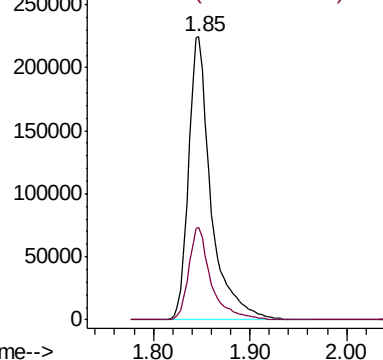
Ion Ratio Lower Upper

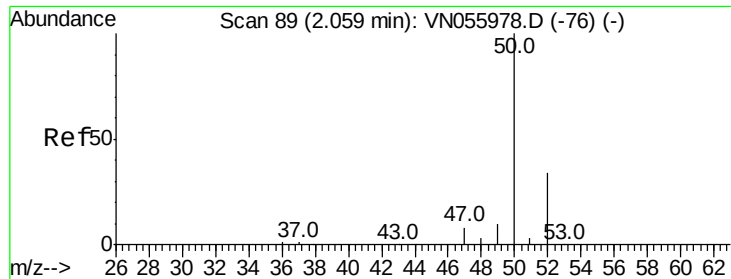
85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)





#3

Chloromethane

Concen: 108.253 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 374565

Ion Ratio Lower Upper

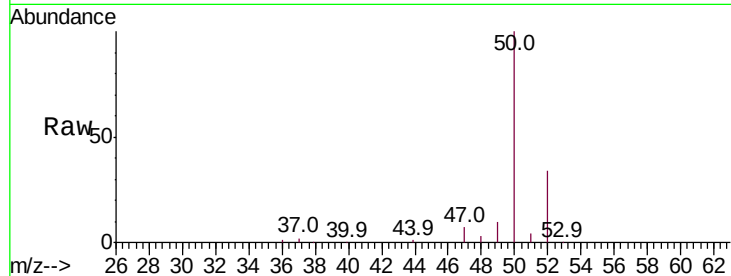
50 100

52 33.6 26.6 40.0

Manual Integrations
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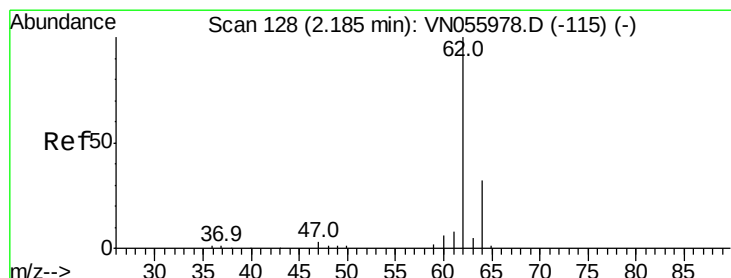
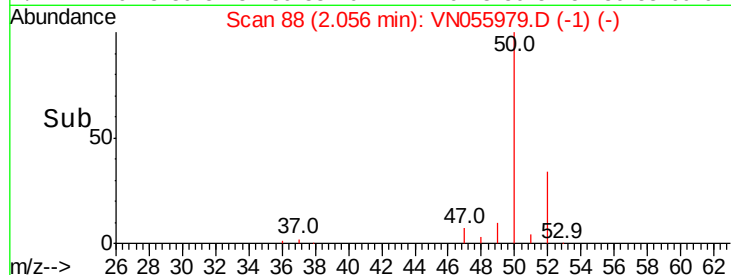
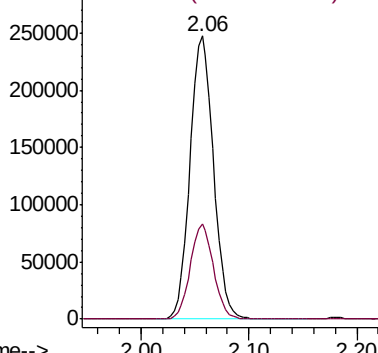
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 107.273 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055979.D

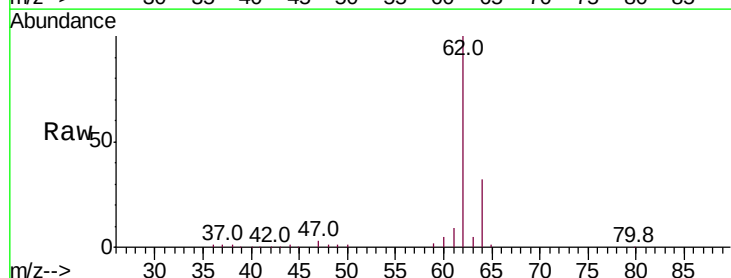
Acq: 4 Jun 2019 10:02

Tgt Ion: 62 Resp: 372323

Ion Ratio Lower Upper

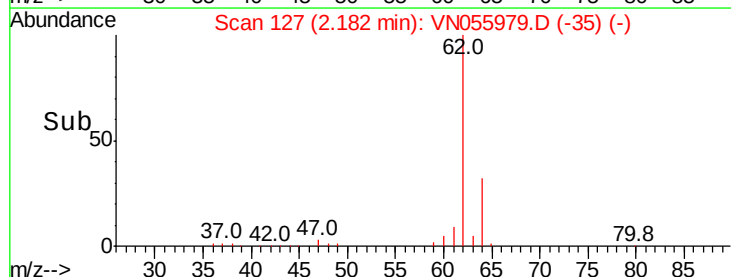
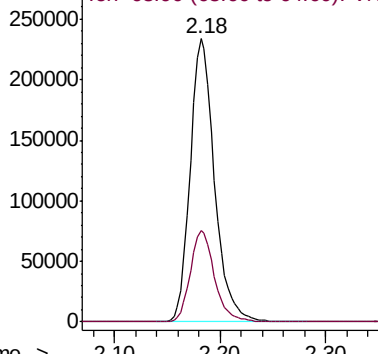
62 100

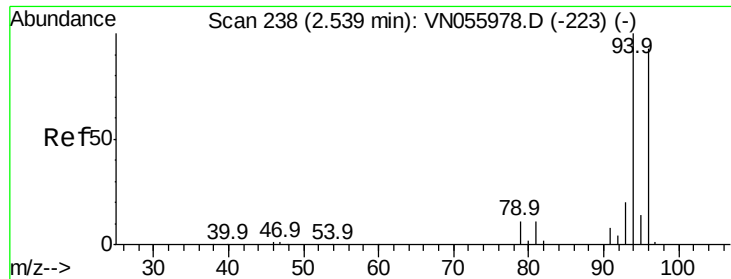
64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 83.532 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 205491

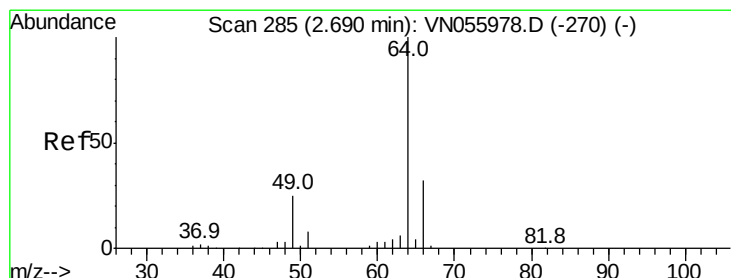
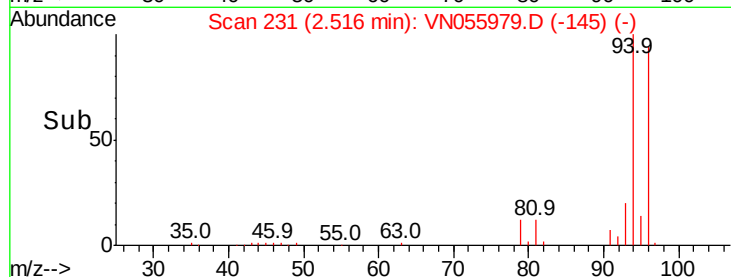
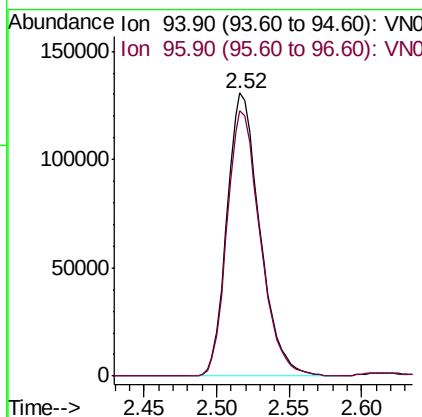
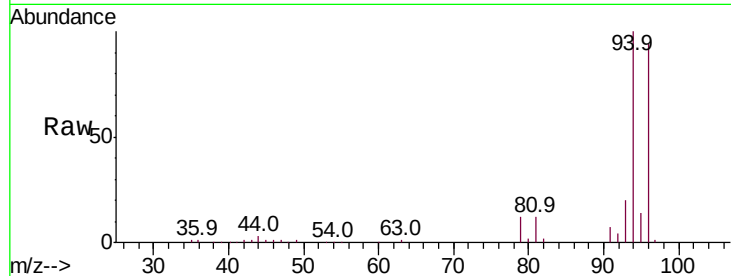
Ion Ratio Lower Upper

94 100

96 93.7 75.5 113.3

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#6

Chloroethane

Concen: 95.437 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.02 min

Lab File: VN055979.D

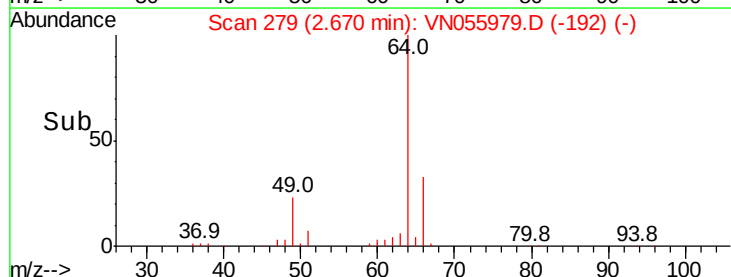
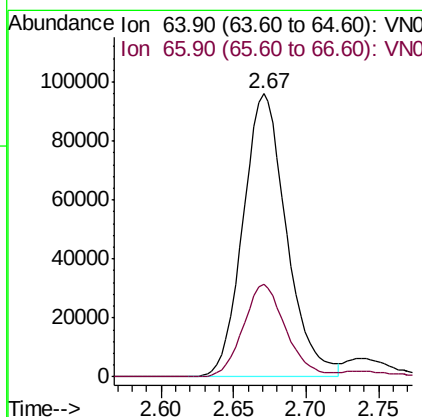
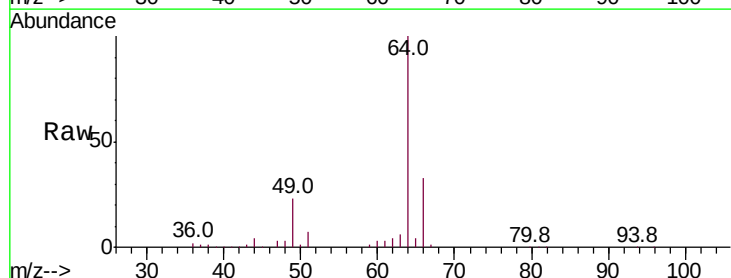
Acq: 4 Jun 2019 10:02

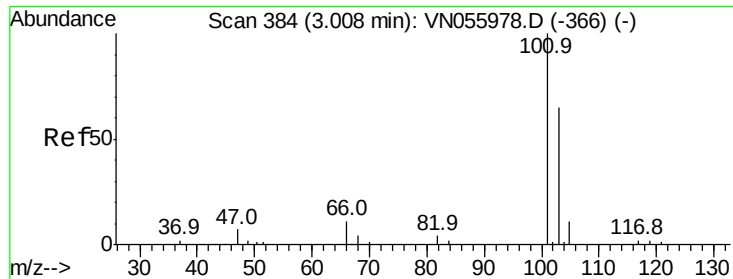
Tgt Ion: 64 Resp: 200357

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0





#7

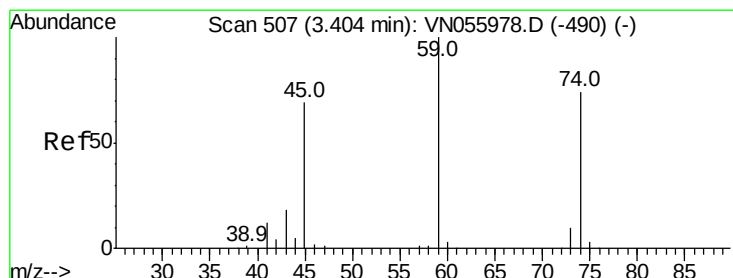
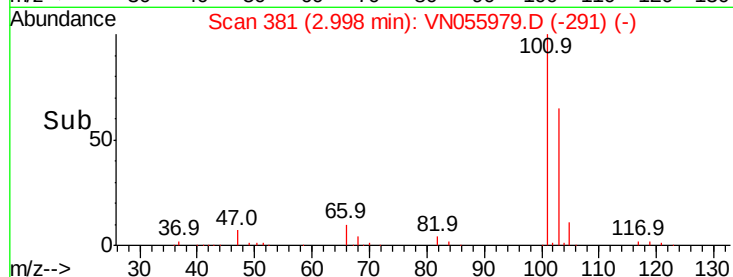
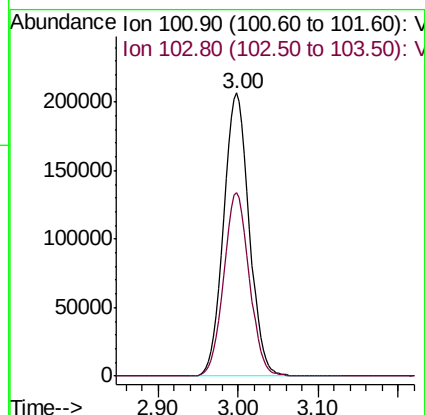
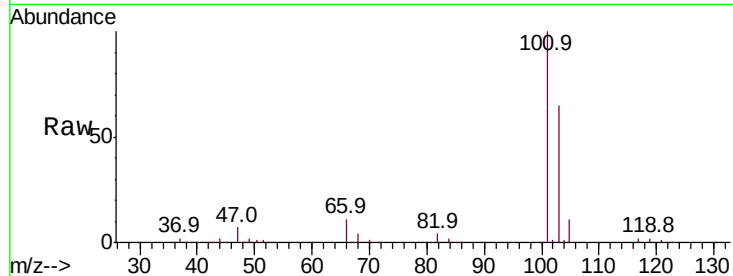
Trichlorofluoromethane
Concen: 99.939 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.01 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 454599
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8

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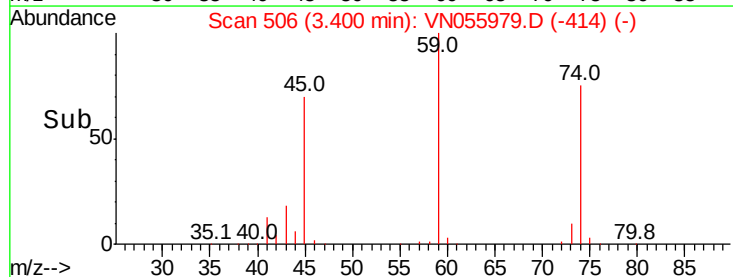
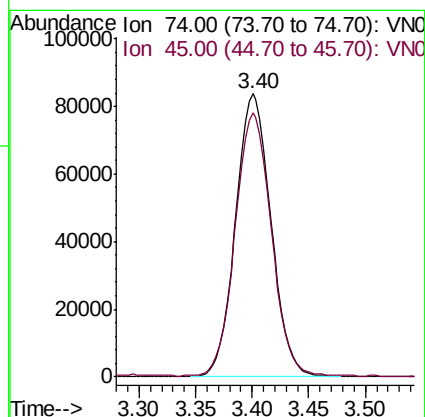
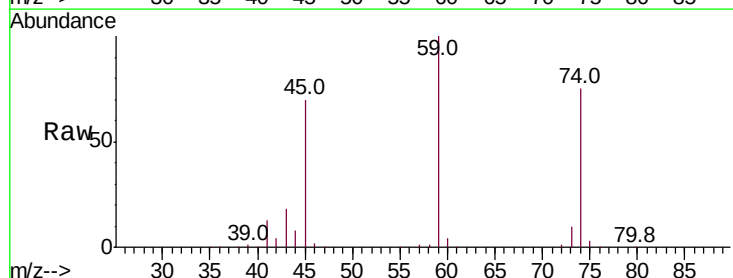
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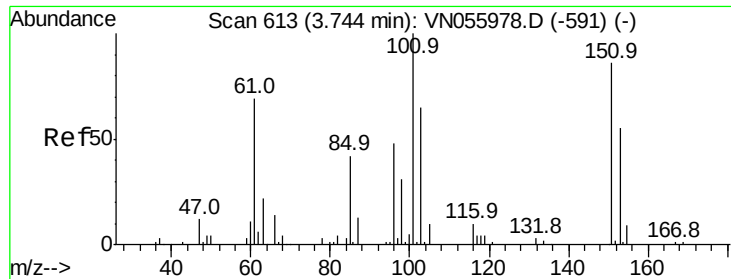


#8

Diethyl Ether
Concen: 96.619 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion: 74 Resp: 182685
Ion Ratio Lower Upper
74 100
45 94.7 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.098 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 278656

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.2

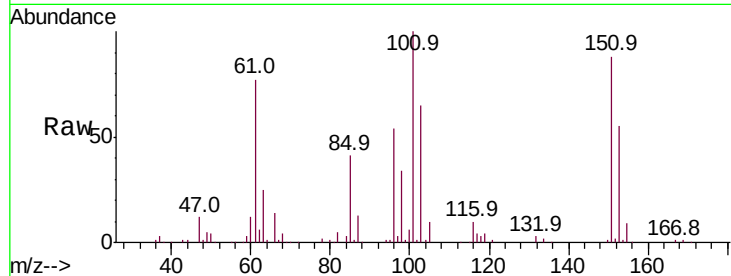
151 86.8 69.4 104.2

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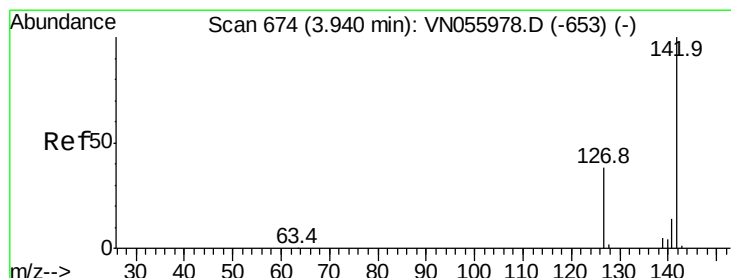
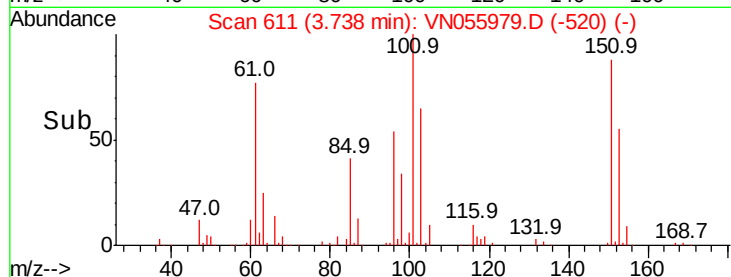
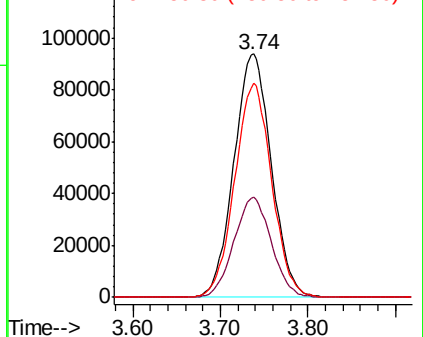


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 107.468 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

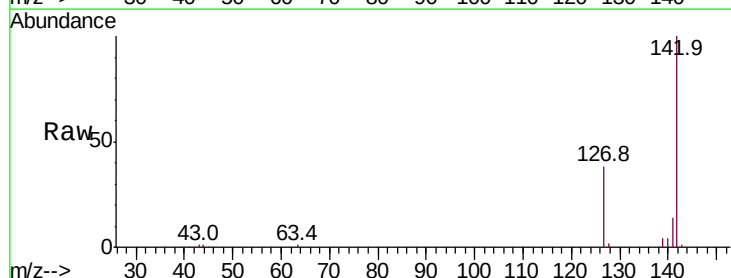
Tgt Ion:142 Resp: 458358

Ion Ratio Lower Upper

142 100

127 37.7 31.0 46.4

141 14.1 11.4 17.0

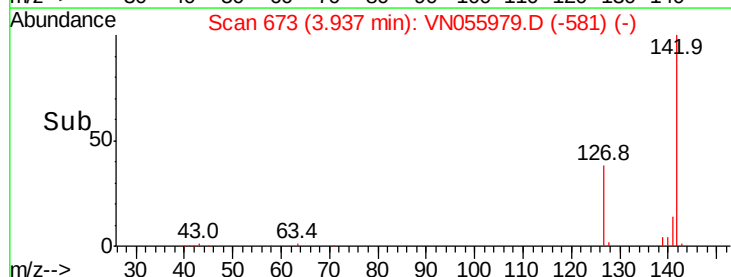
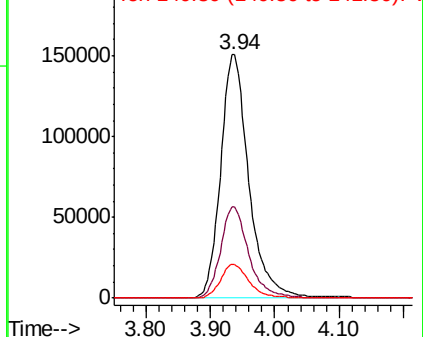


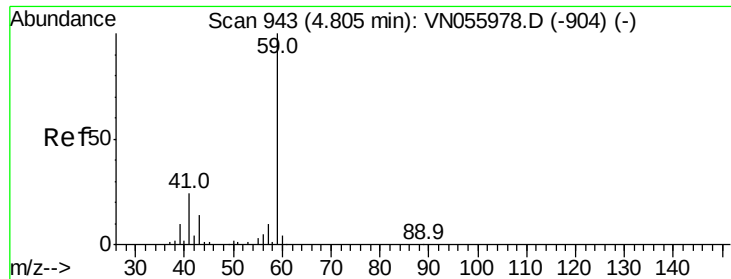
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





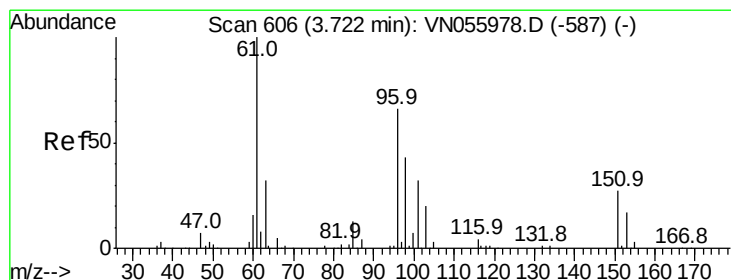
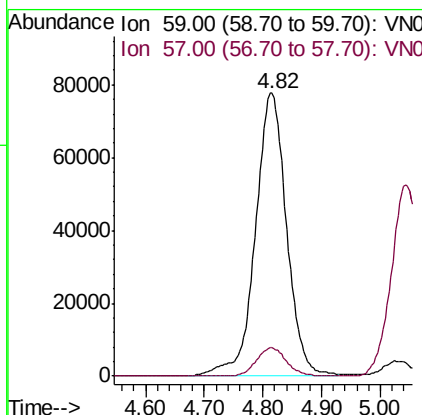
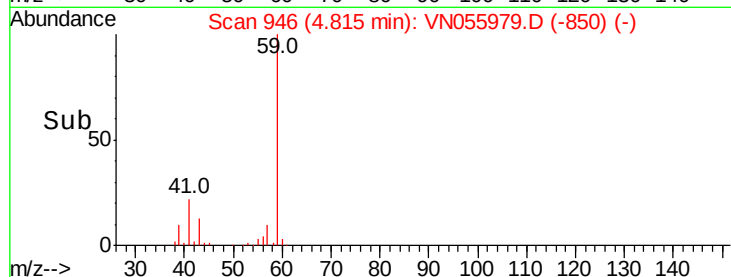
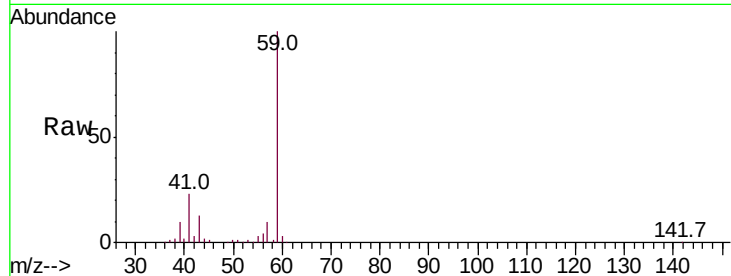
#11
Tert butyl alcohol
Concen: 507.604 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 287451
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6

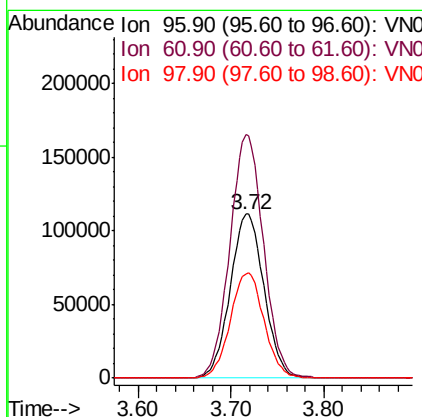
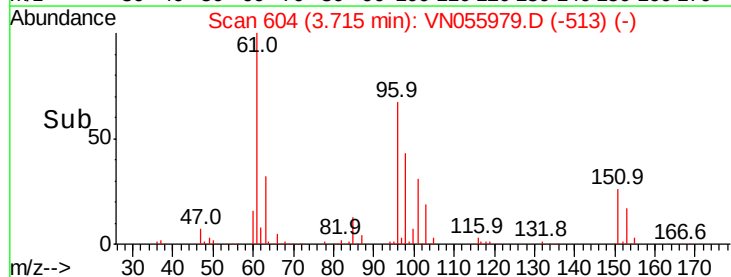
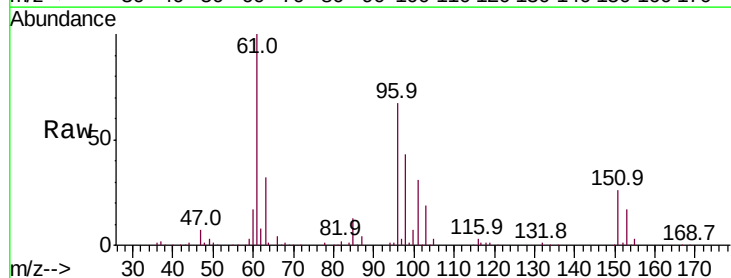
Manual Integrations
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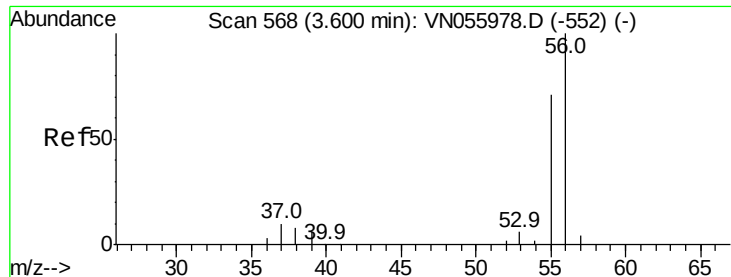
MMDadoda
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#12
1,1-Dichloroethene
Concen: 104.168 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.01 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion: 96 Resp: 281873
Ion Ratio Lower Upper
96 100
61 148.4 123.2 184.8
98 63.8 50.4 75.6





#13

Acrolein

Concen: 513.155 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 82859

Ion Ratio Lower Upper

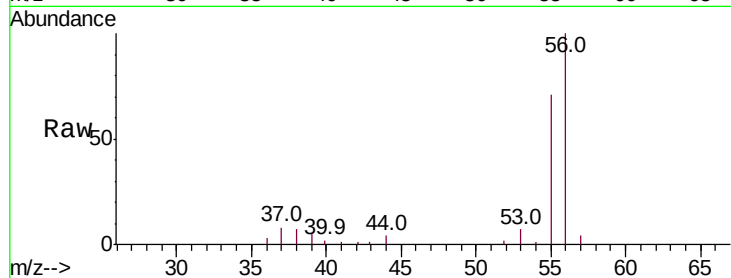
56 100

55 70.5 55.4 83.2

Manual Integrations
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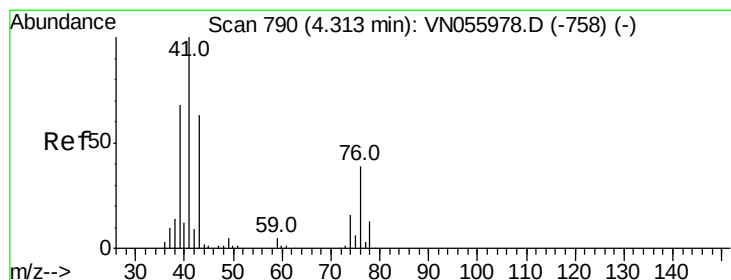
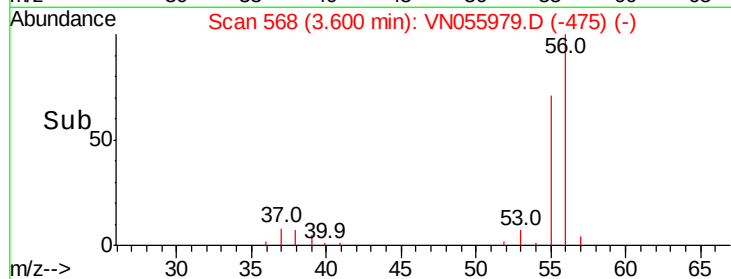
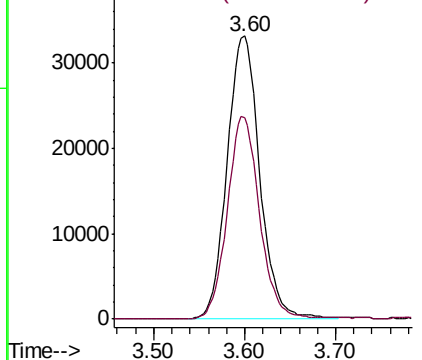
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 106.129 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

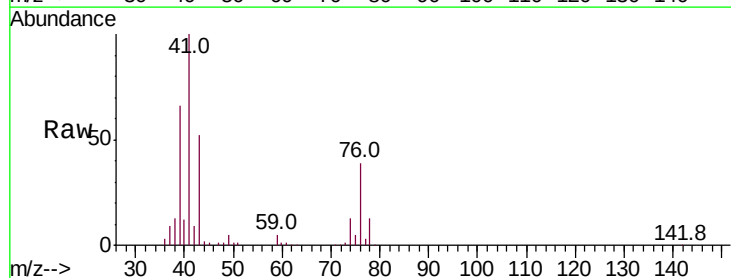
Tgt Ion: 41 Resp: 450392

Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

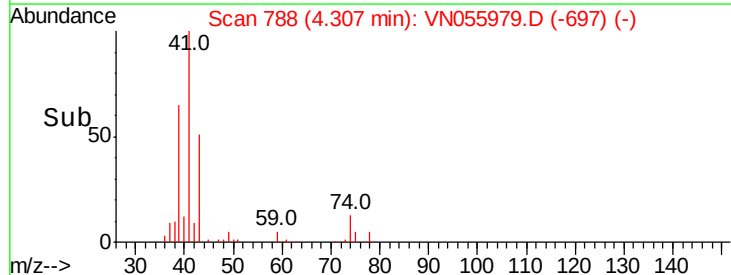
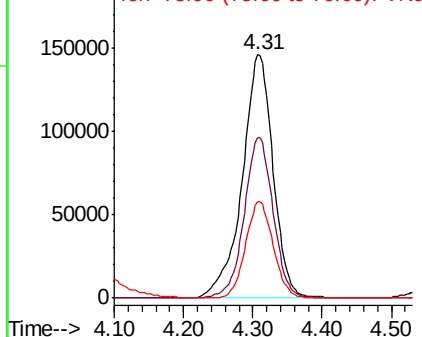
76 35.5 28.2 42.2

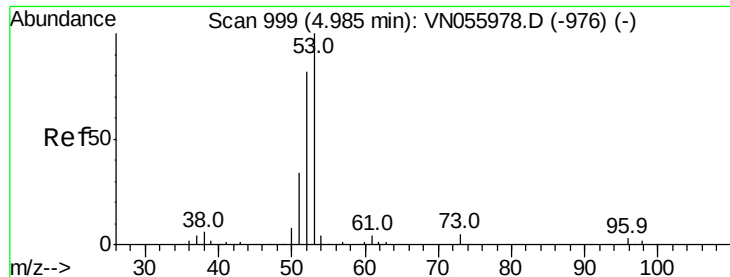


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 543.033 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

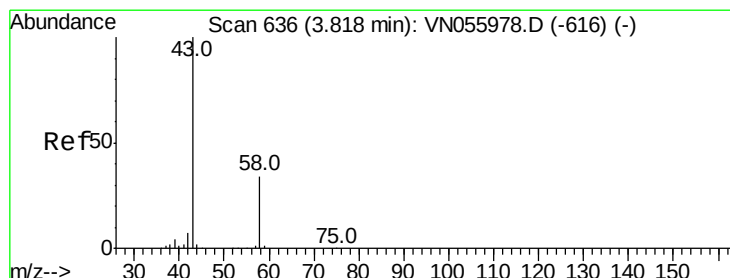
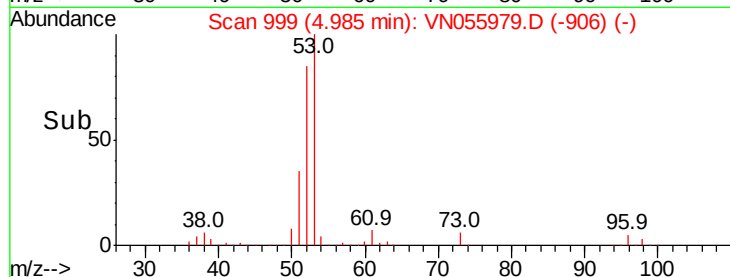
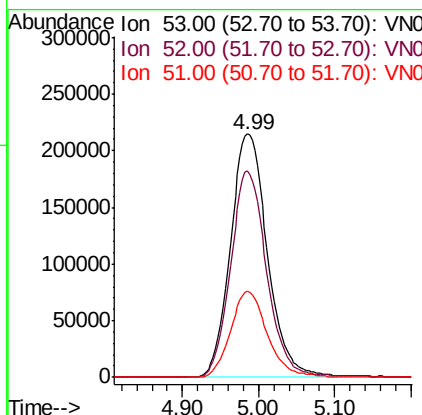
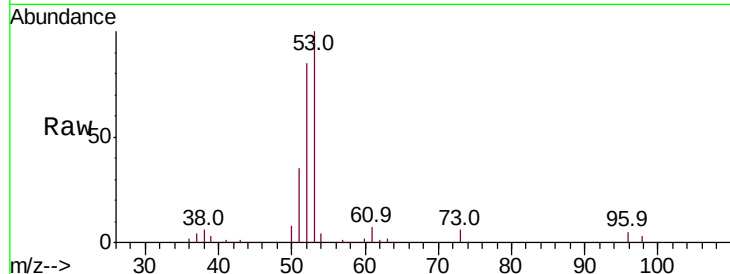
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	726257
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.8	98.8
51	35.4	28.2	42.4

Manual Integrations
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6/5/2019 4:03:40 PM



#16

Acetone

Concen: 475.125 ug/l

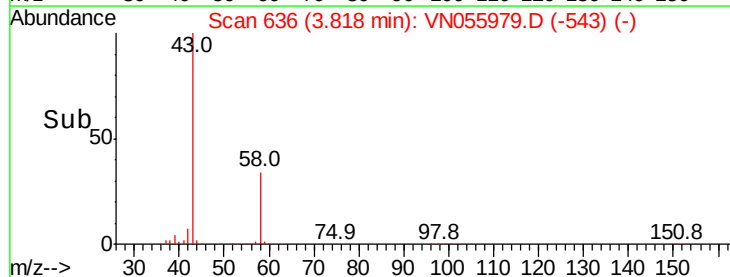
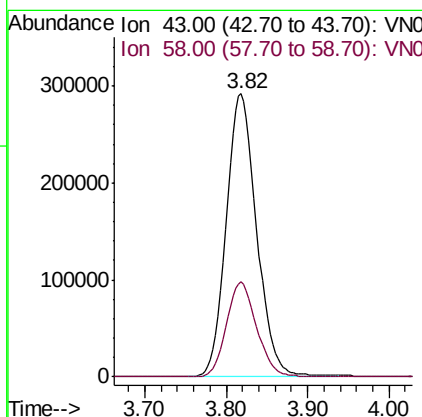
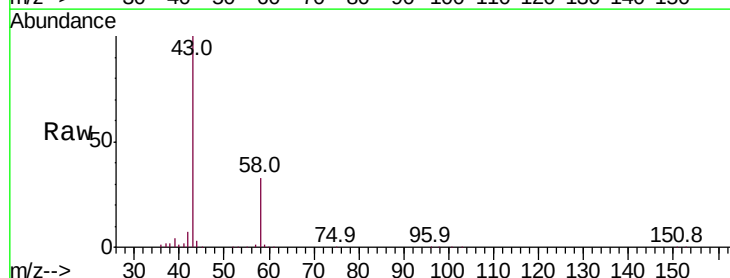
RT: 3.82 min Scan# 636

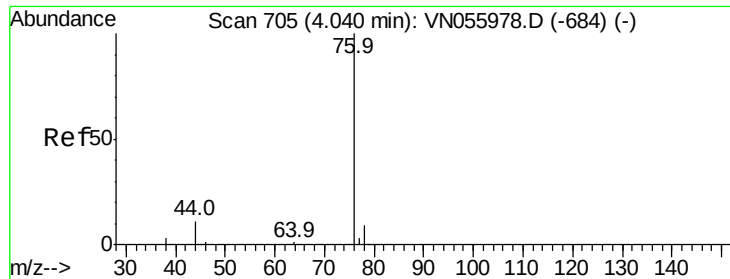
Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Tgt Ion:	43	Resp:	756853
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8





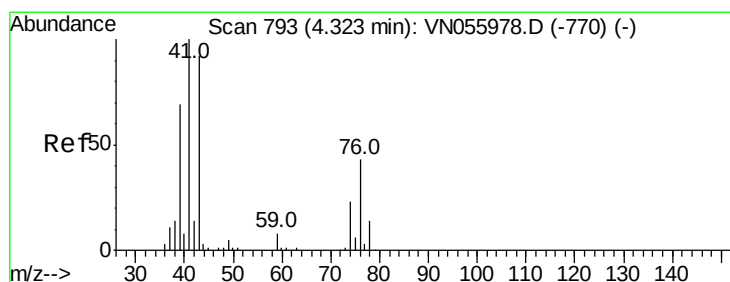
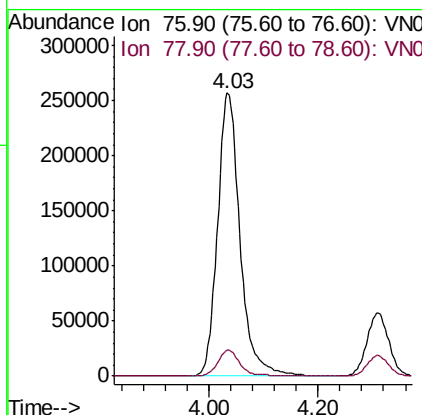
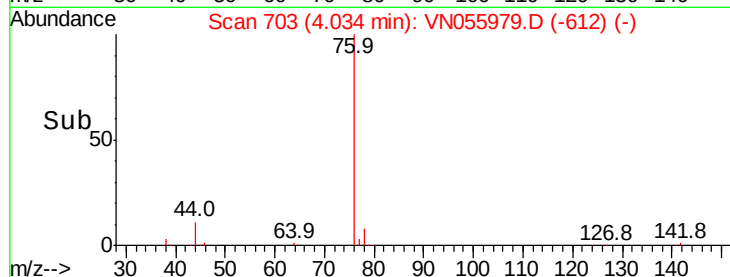
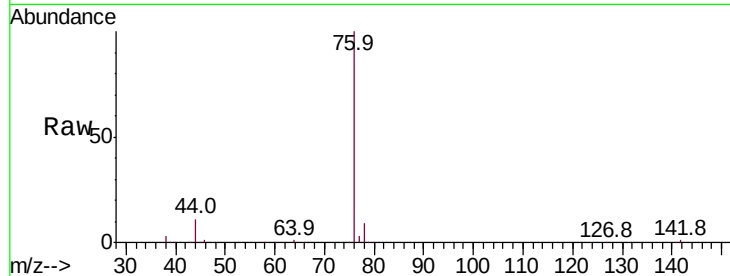
#17
Carbon Disulfide
Concen: 119.030 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

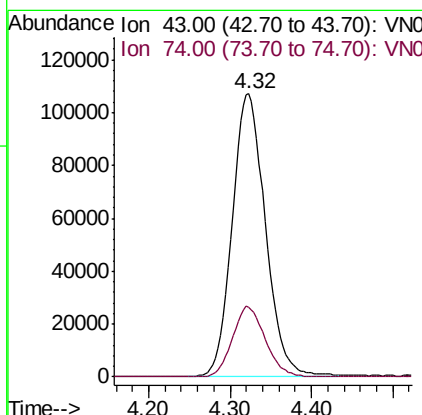
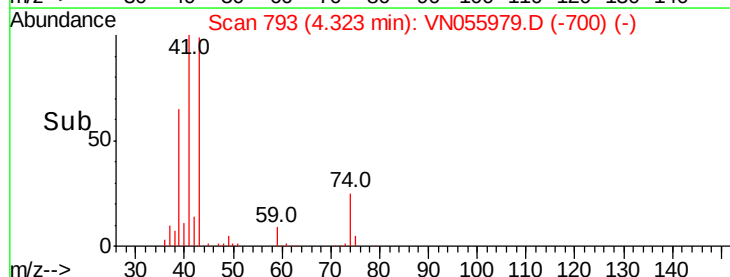
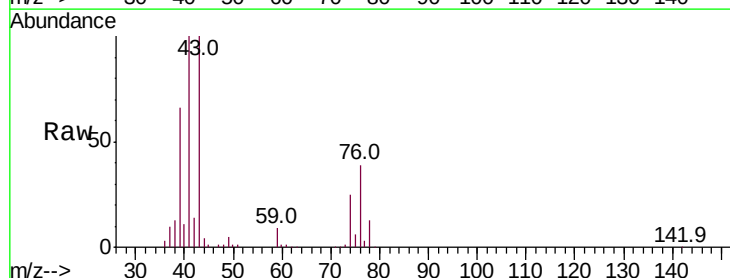
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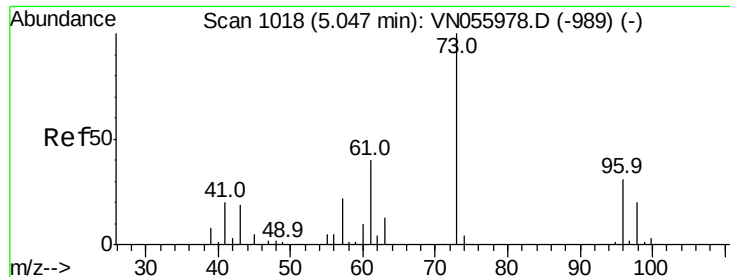
MMDadoda
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#18
Methyl Acetate
Concen: 83.332 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.3	28.9





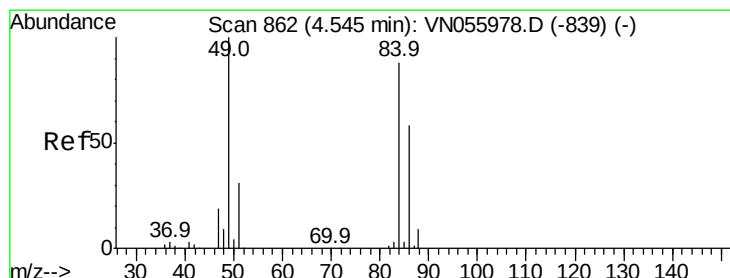
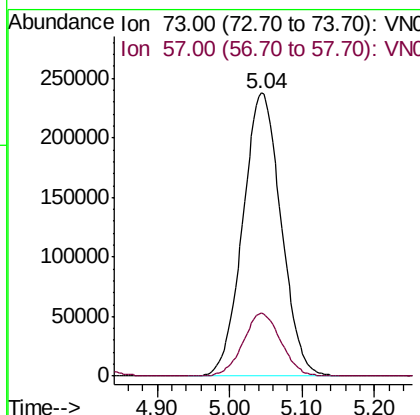
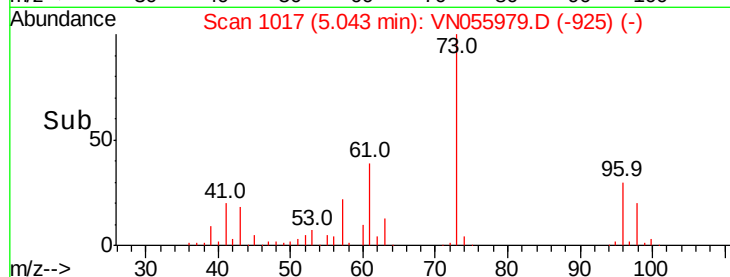
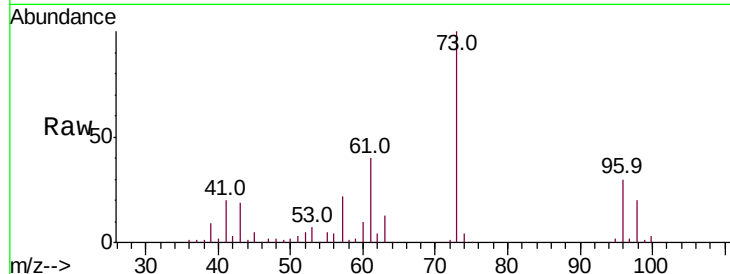
#19
Methyl tert-butyl Ether
Concen: 99.768 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 873145
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

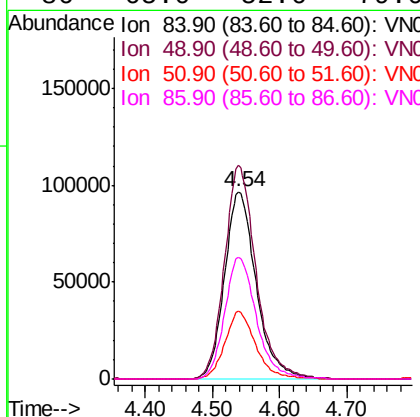
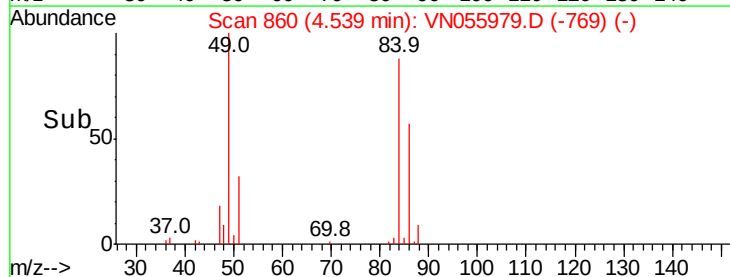
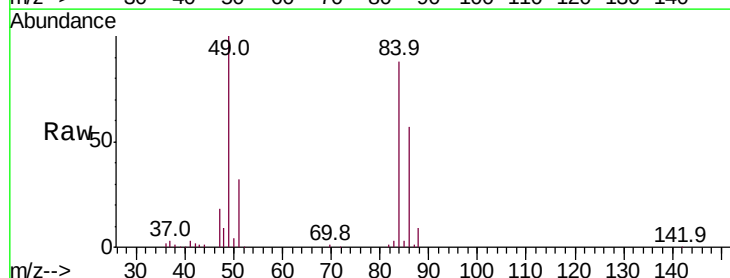
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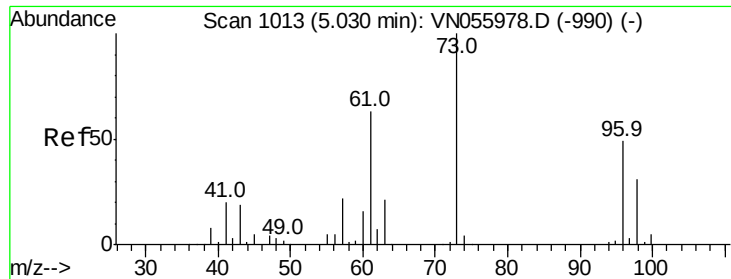
MMDadoda
6/5/2019 4:03:40 PM



#20
Methylene Chloride
Concen: 98.673 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion: 84 Resp: 317216
Ion Ratio Lower Upper
84 100
49 114.0 93.5 140.3
51 35.9 28.6 43.0
86 65.0 52.6 79.0





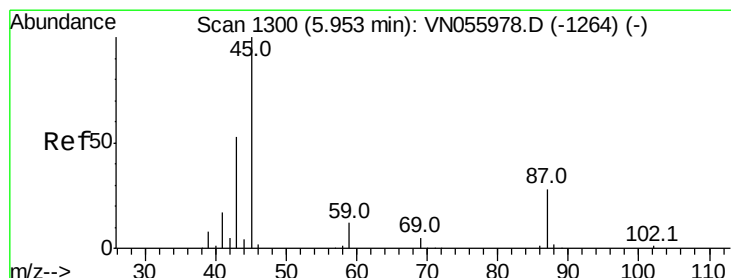
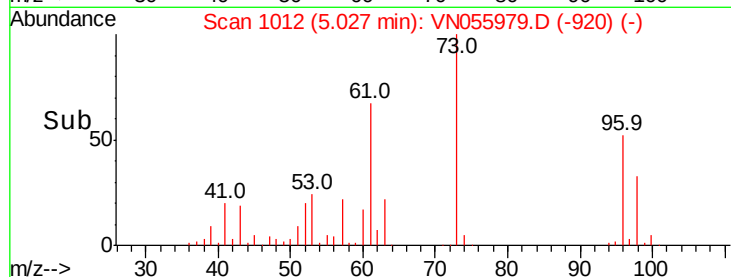
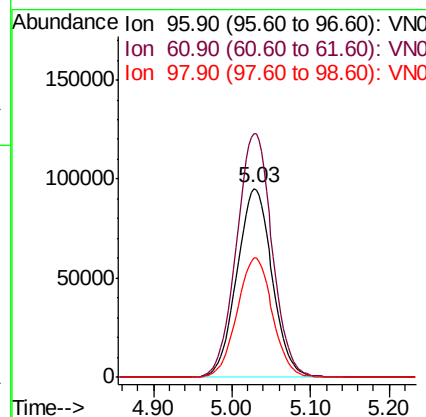
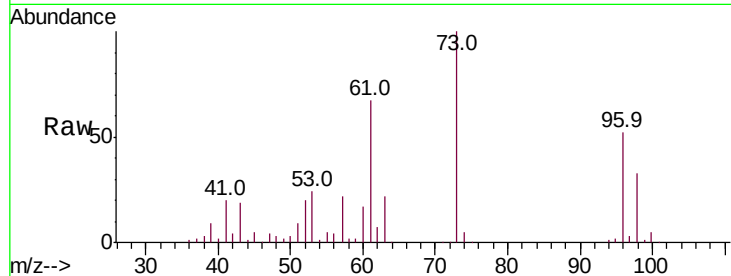
#21
trans-1,2-Dichloroethene
Concen: 102.269 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.0	107.8	161.8
98	63.1	49.8	74.8

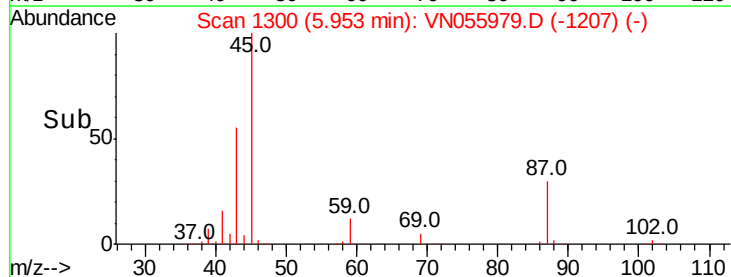
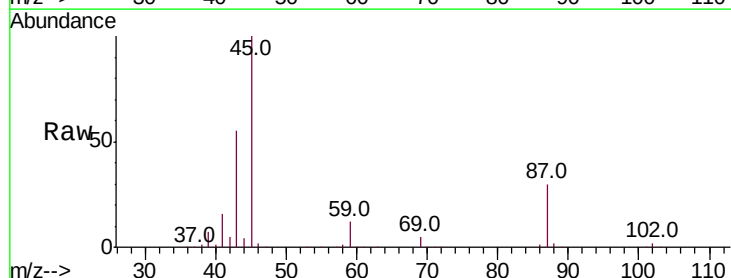
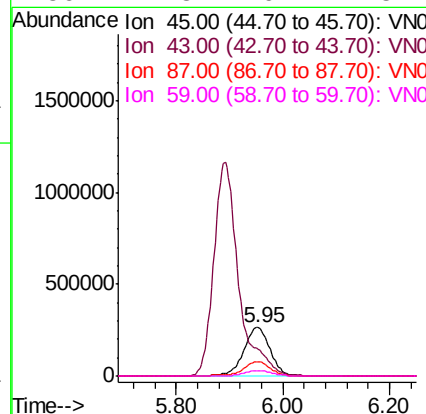
Manual Integrations
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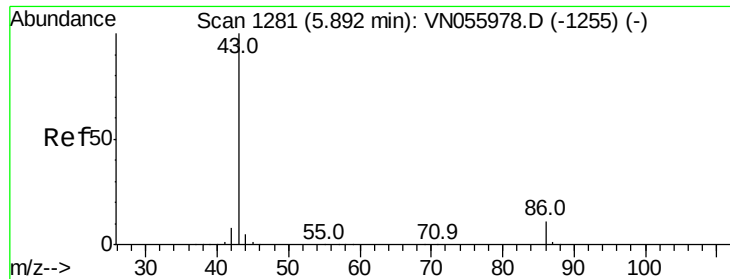
MMDadoda
6/5/2019 4:03:40 PM



#22
Diisopropyl ether
Concen: 101.114 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.1	45.0	67.6
87	29.7	22.2	33.4
59	11.8	9.1	13.7





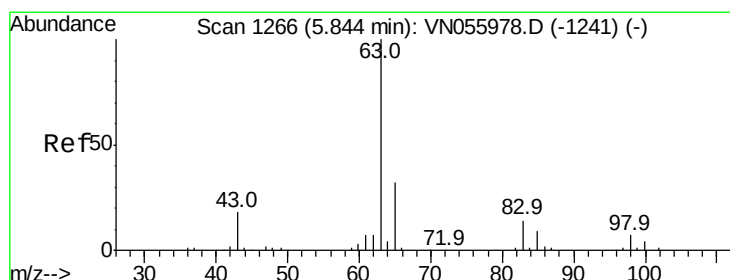
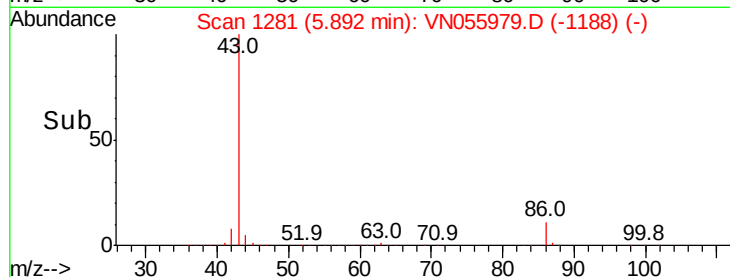
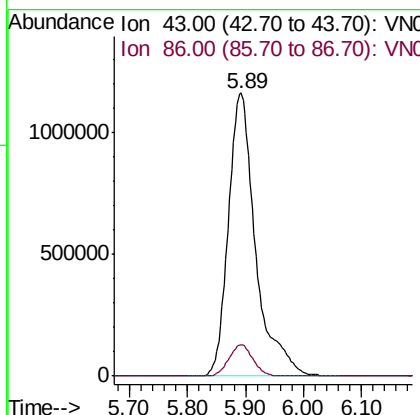
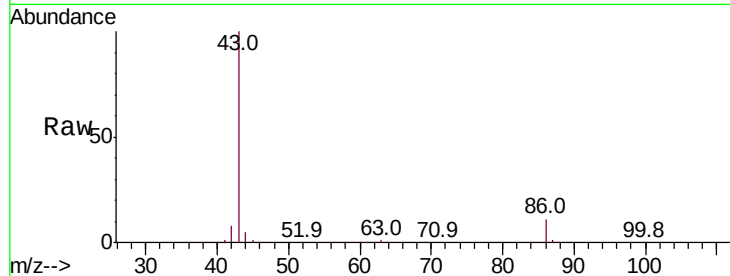
#23
 Vinyl Acetate
 Concen: 559.483 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 43 Resp: 3793890
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0

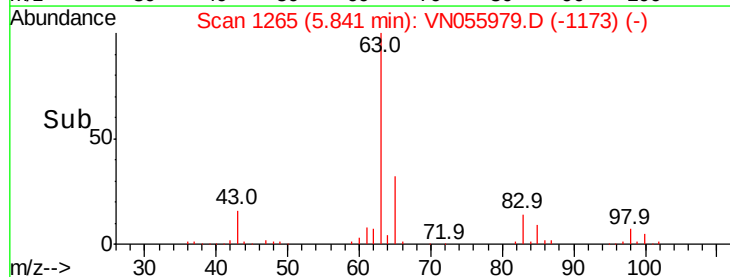
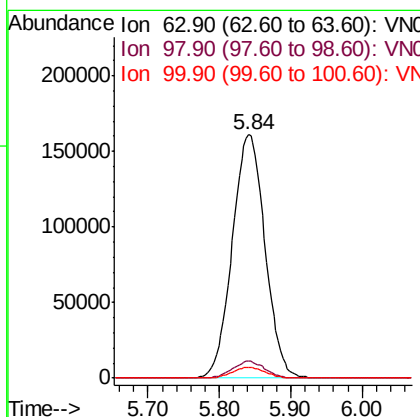
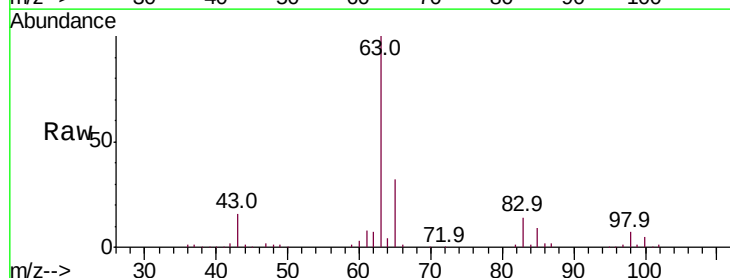
Manual Integrations
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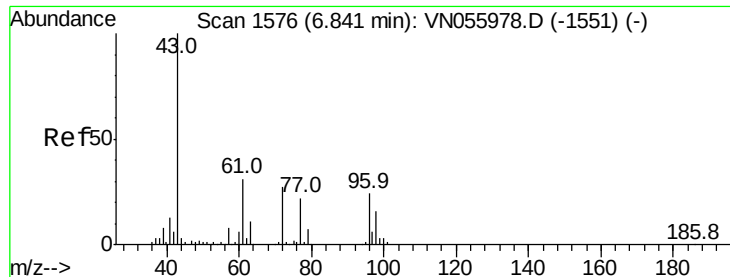
MMDadoda
 6/5/2019 4:03:40 PM



#24
 1,1-Dichloroethane
 Concen: 99.547 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion: 63 Resp: 515291
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 4.6 2.2 6.6





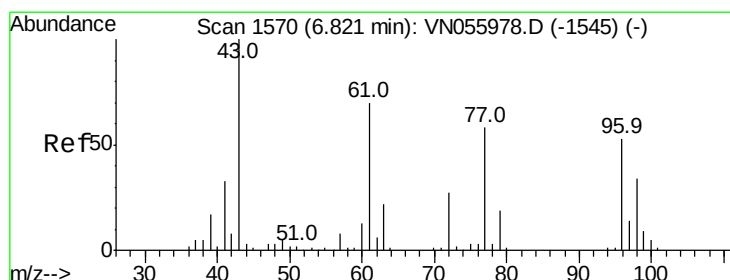
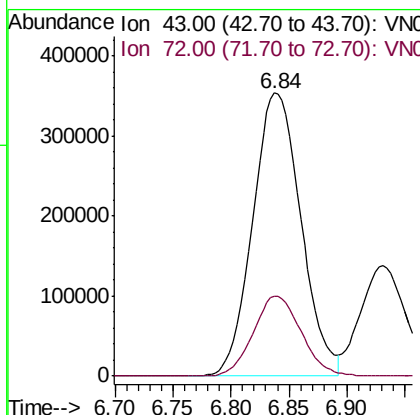
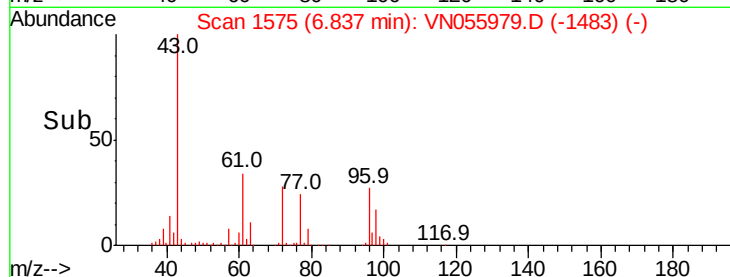
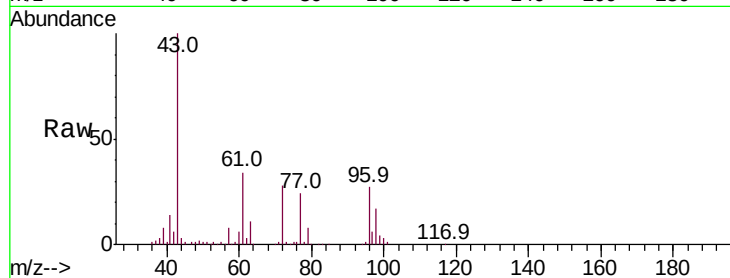
#25
2-Butanone
Concen: 529.521 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1021539
Ion Ratio Lower Upper
43 100
72 28.4 21.9 32.9

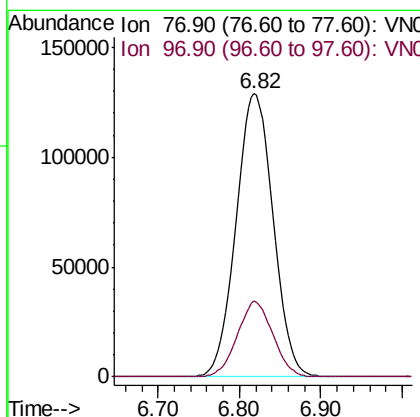
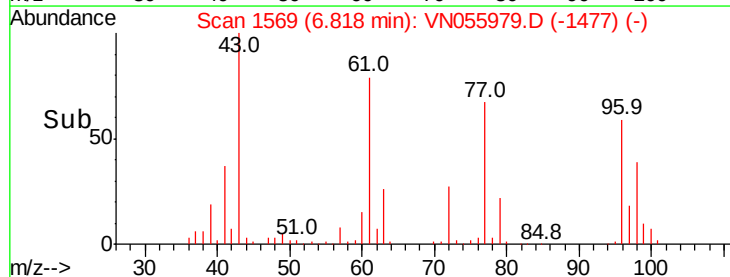
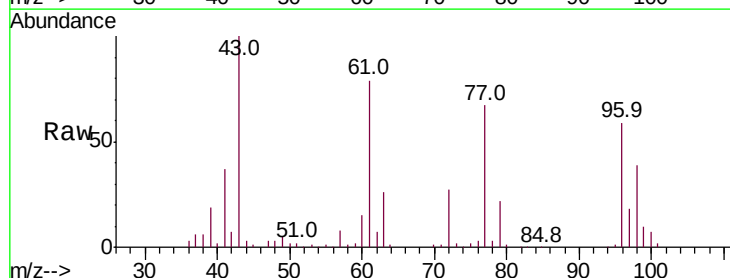
Manual Integrations
APPROVED

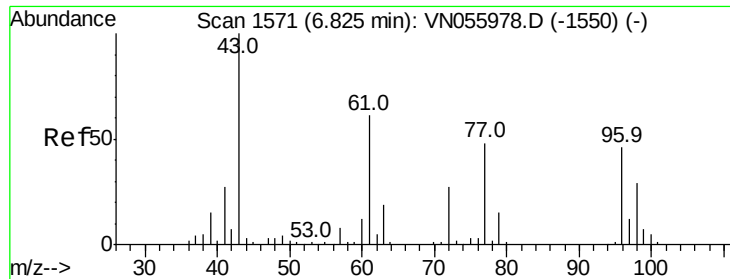
MMDadoda
6/5/2019 4:03:40 PM



#26
2,2-Dichloropropane
Concen: 101.147 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion: 77 Resp: 405978
Ion Ratio Lower Upper
77 100
97 25.7 12.2 36.6





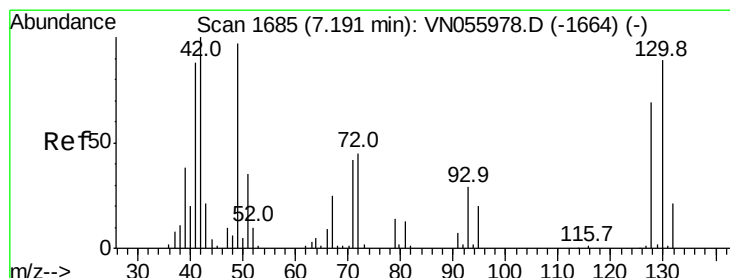
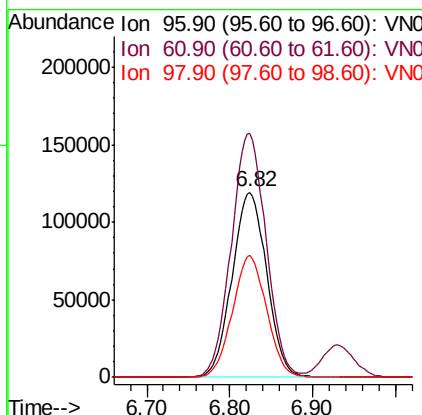
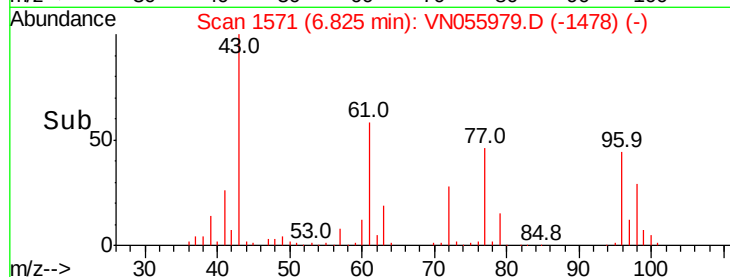
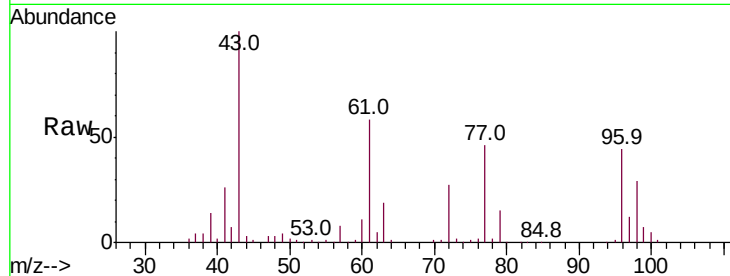
#27
 cis-1,2-Dichloroethene
 Concen: 100.500 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	275.8
98	64.9	0.0	128.4

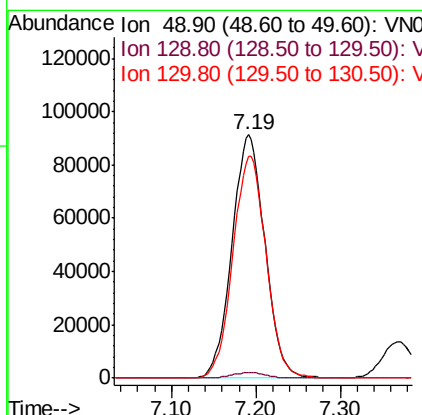
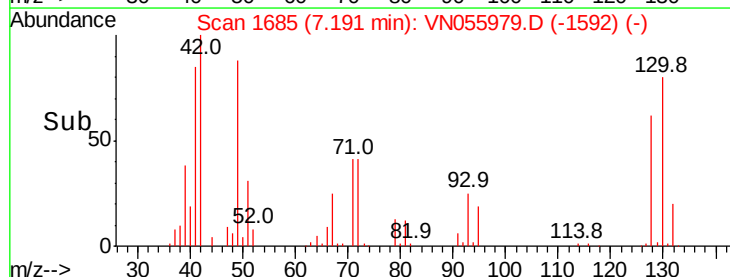
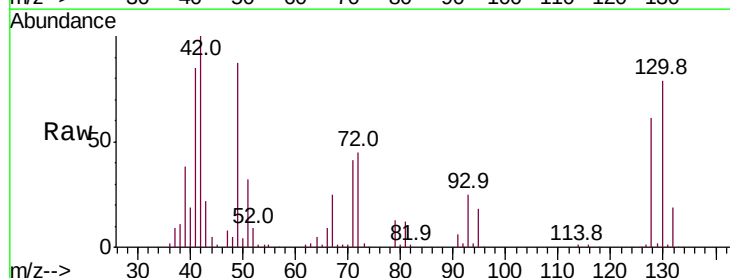
Manual Integrations
 APPROVED

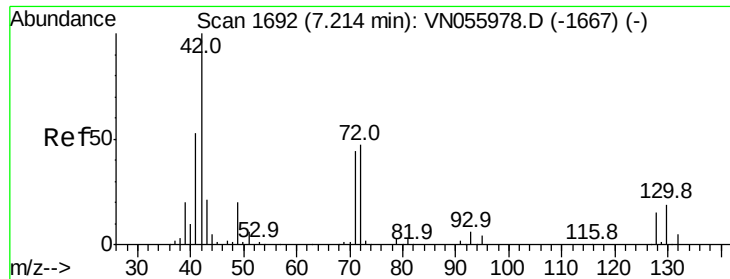
MMDadoda
 6/5/2019 4:03:40 PM



#28
 Bromochloromethane
 Concen: 101.229 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	91.9	71.2	106.8





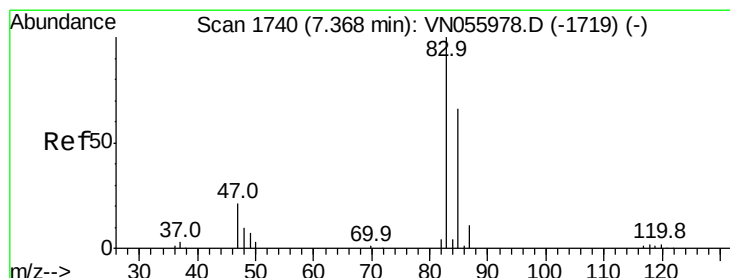
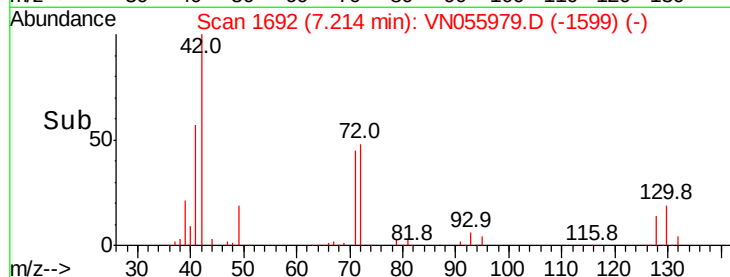
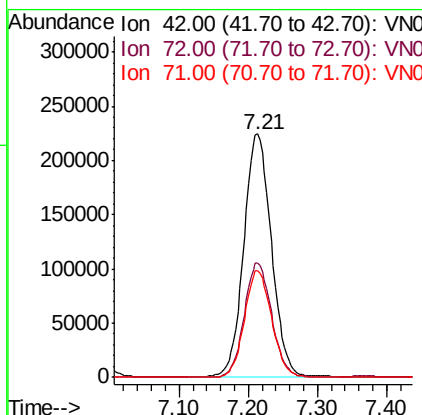
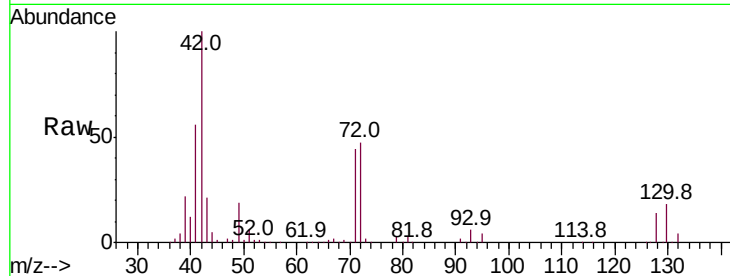
#29
Tetrahydrofuran
Concen: 522.783 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.9	53.9
71	42.9	34.0	51.0

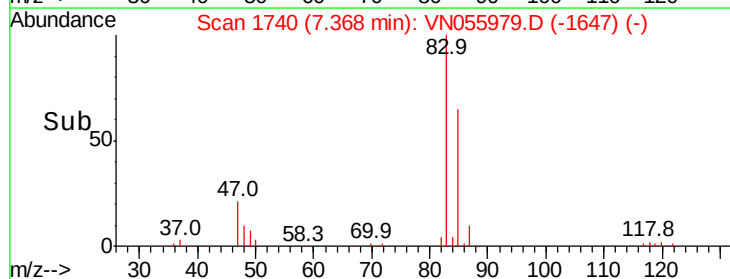
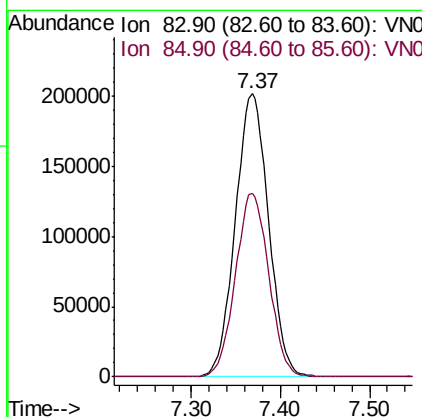
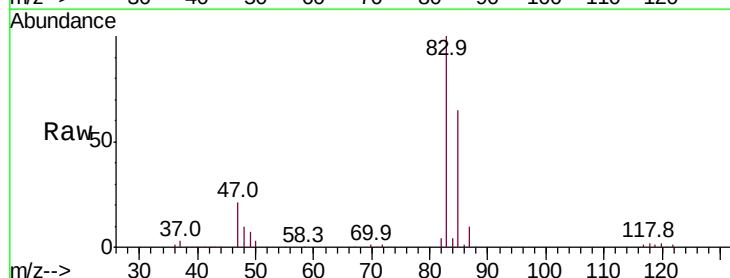
Manual Integrations
APPROVED

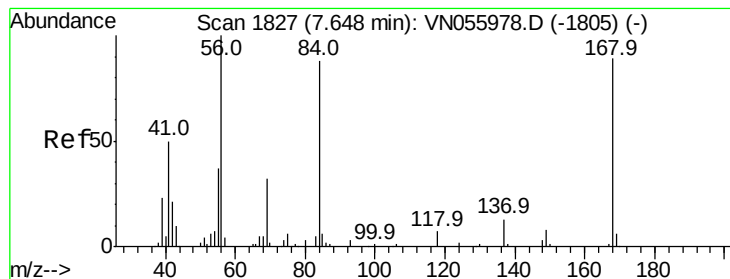
MMDadoda
6/5/2019 4:03:40 PM



#30
Chloroform
Concen: 100.012 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





#31

Cyclohexane

Concen: 92.647 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 492596

Ion Ratio Lower Upper

56 100

69 32.2 25.6 38.4

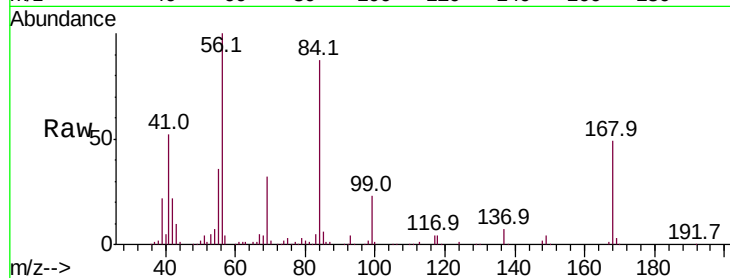
84 86.2 67.4 101.0

Manual Integrations

APPROVED

MMDadoda

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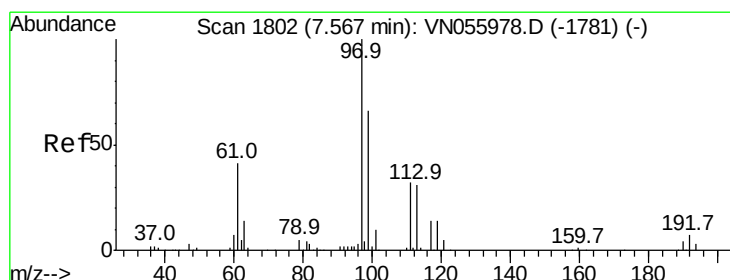
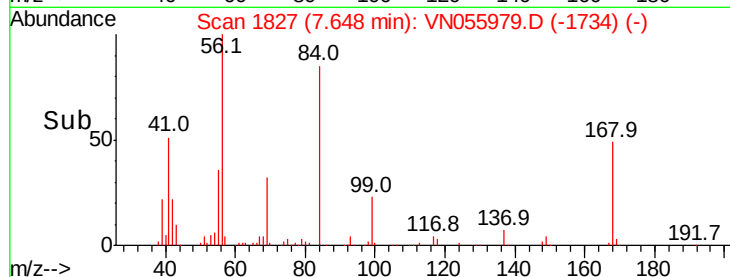
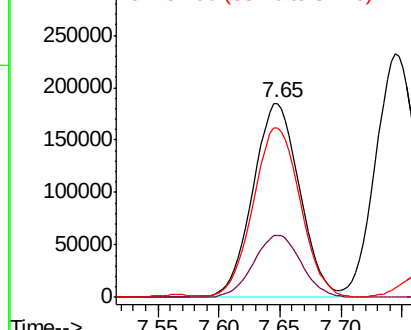


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 105.289 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

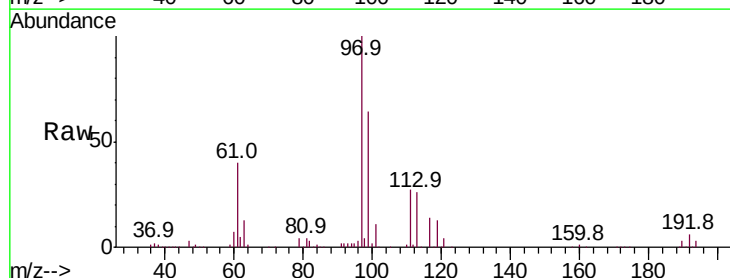
Tgt Ion: 97 Resp: 448881

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

61 40.6 32.9 49.3

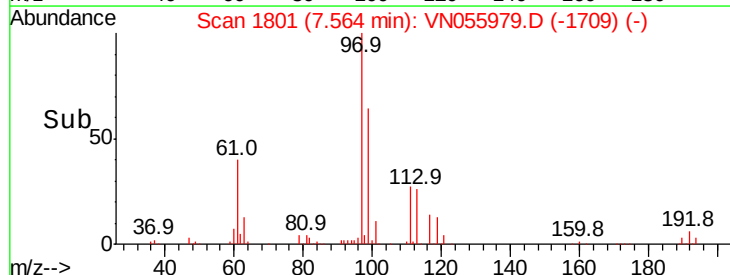
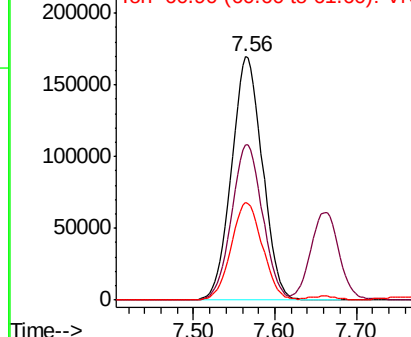


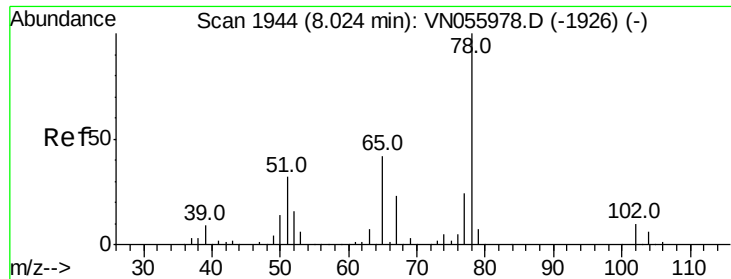
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





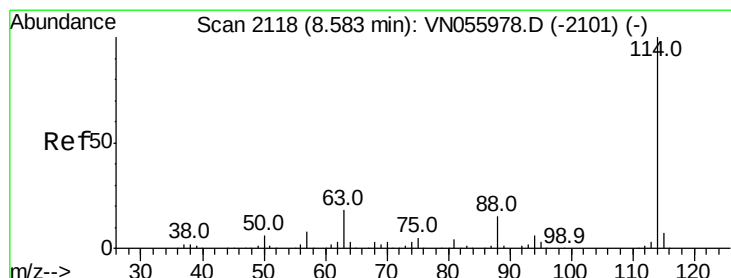
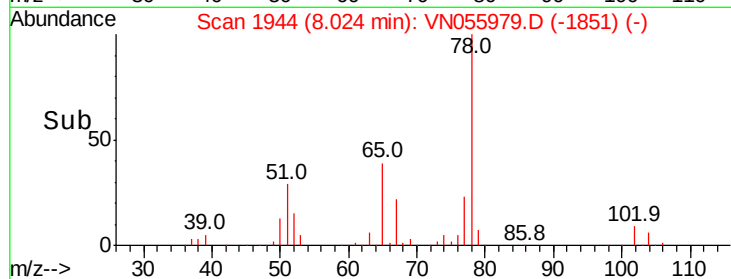
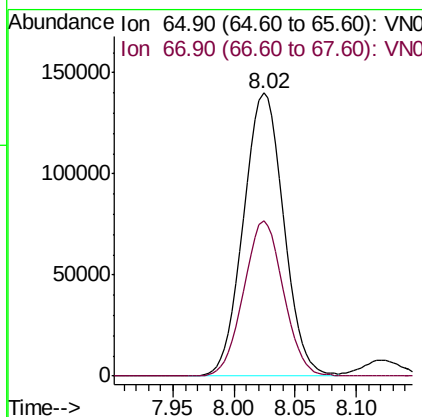
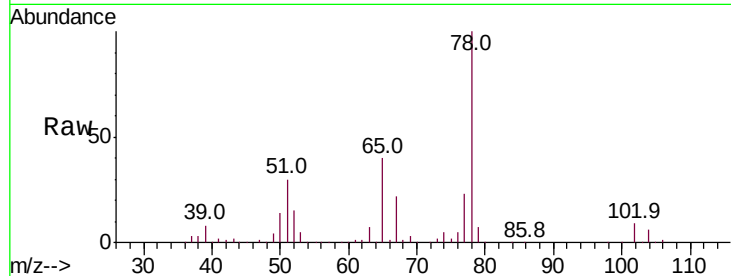
#33
 1,2-Dichloroethane-d4
 Concen: 96.903 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	109.2	

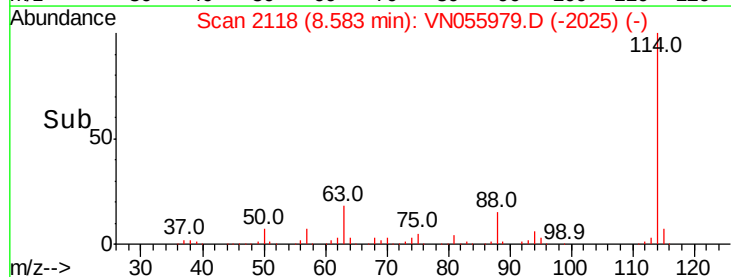
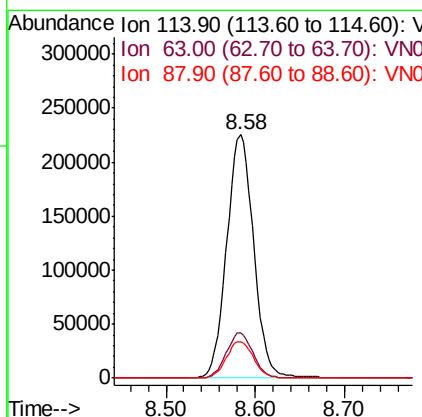
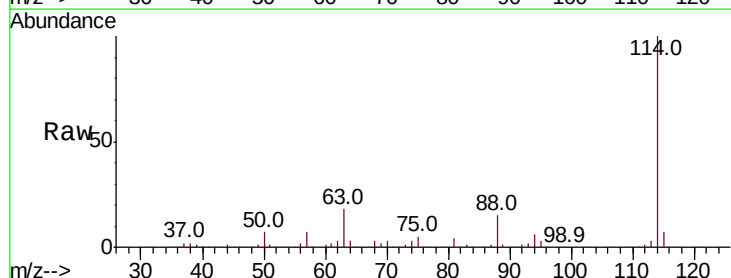
Manual Integrations
 APPROVED

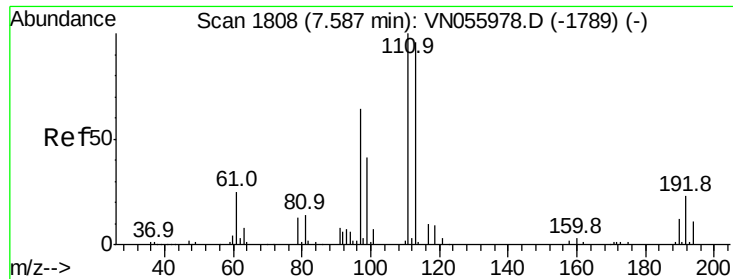
MMDadoda
 6/5/2019 4:03:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	39.2	
88	15.0	0.0	31.0	





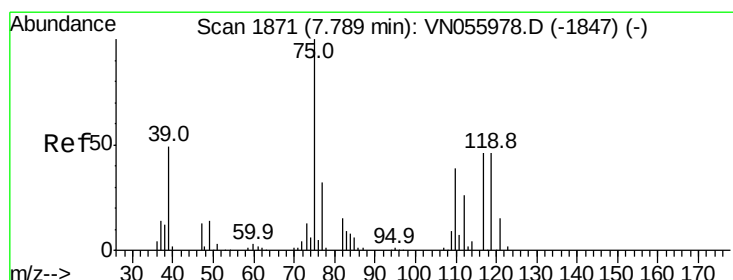
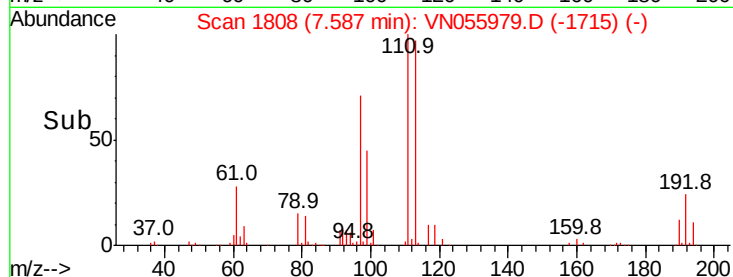
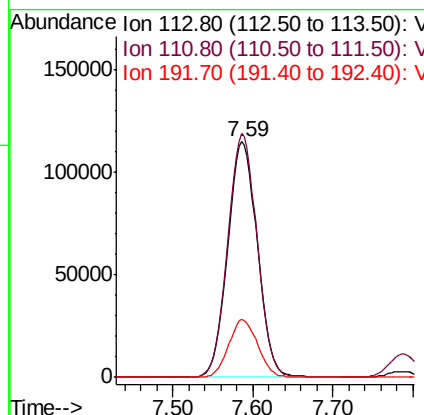
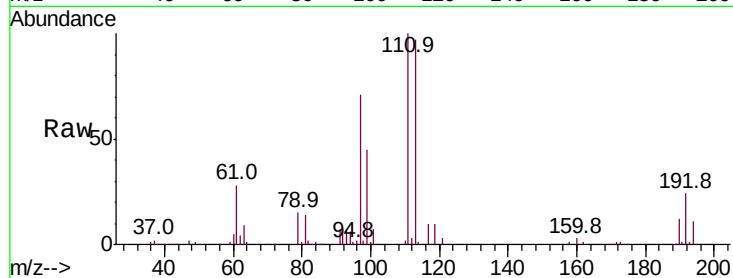
#35
 Dibromofluoromethane
 Concen: 99.455 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	289510		
111	102.7	81.9	122.9	
192	24.0	19.5	29.3	

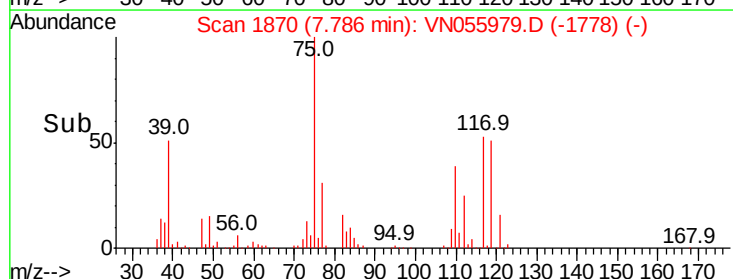
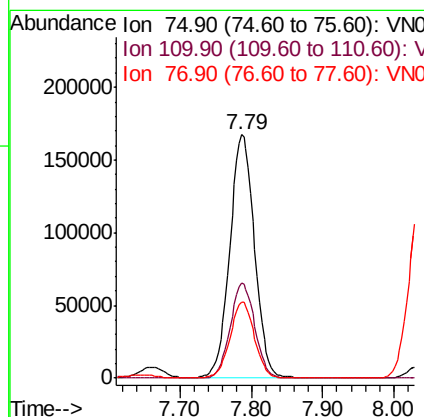
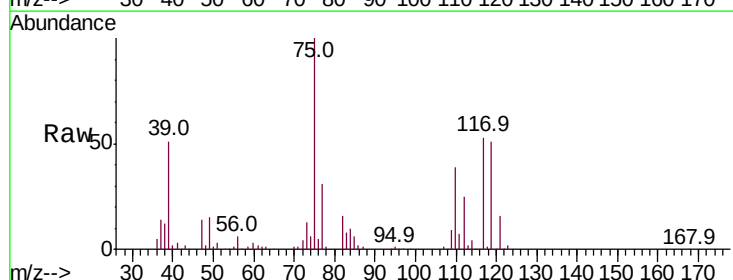
Manual Integrations
 APPROVED

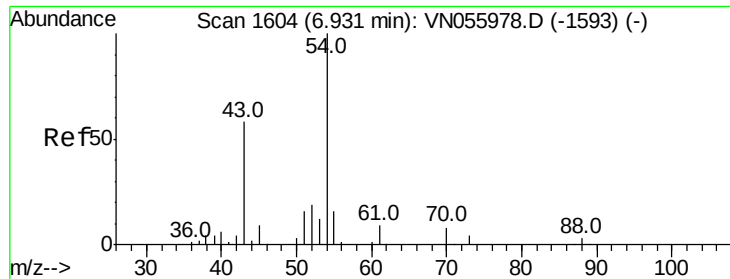
MMDadoda
 6/5/2019 4:03:40 PM



#36
 1,1-Dichloropropene
 Concen: 99.211 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	405109		
110	38.6	19.0	57.0	
77	31.0	25.1	37.7	





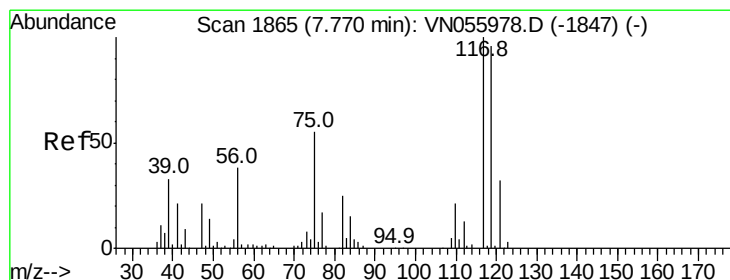
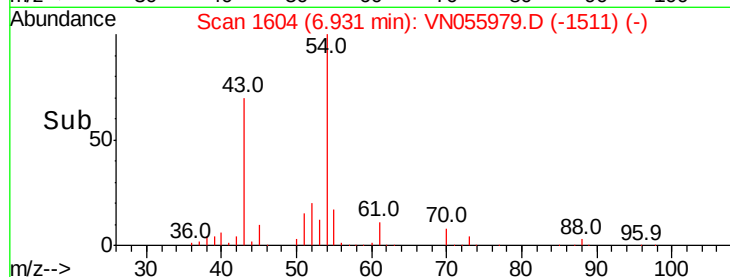
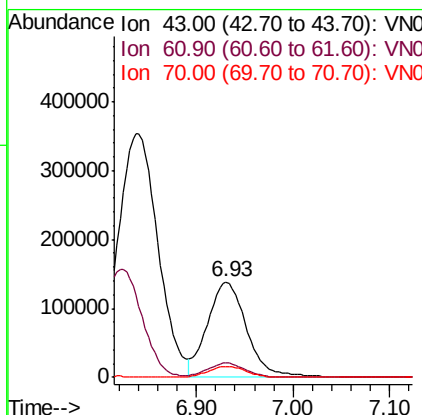
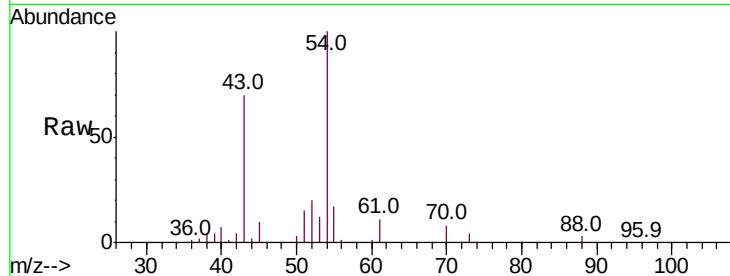
#37
Ethyl Acetate
Concen: 108.952 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.2	18.2
70	11.3	8.9	13.3

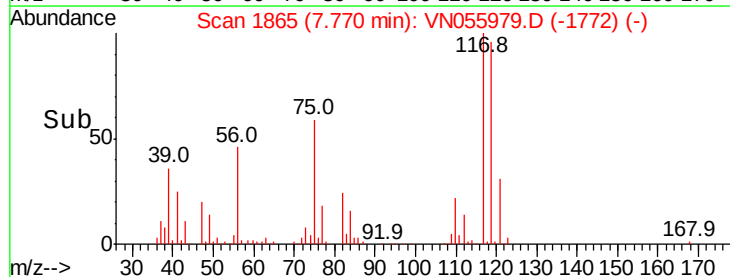
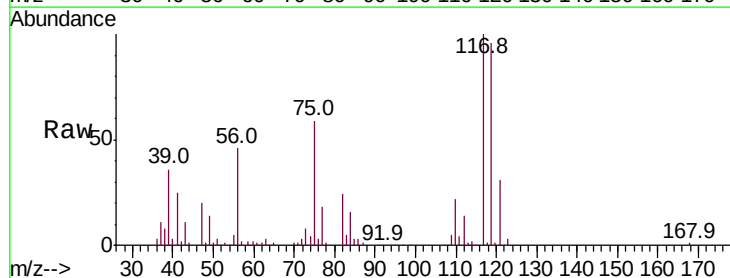
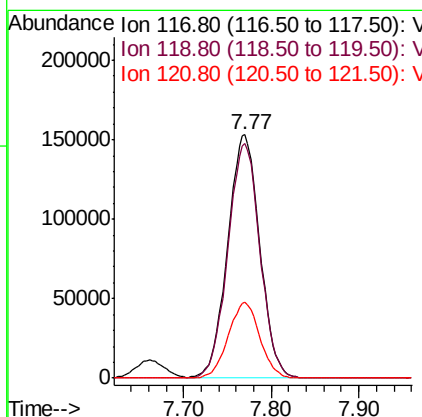
Manual Integrations
APPROVED

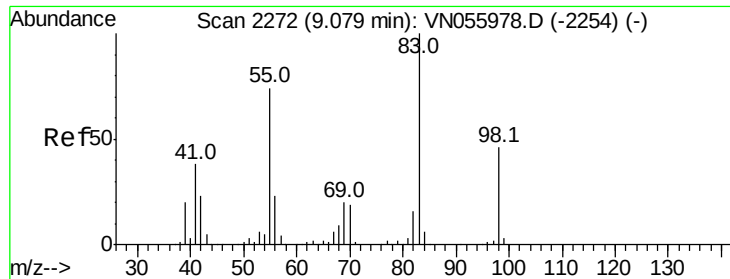
MMDadoda
6/5/2019 4:03:40 PM



#38
Carbon Tetrachloride
Concen: 105.722 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	79.0	118.6
121	31.2	24.7	37.1





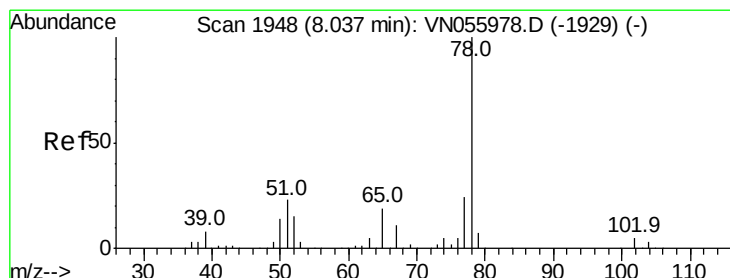
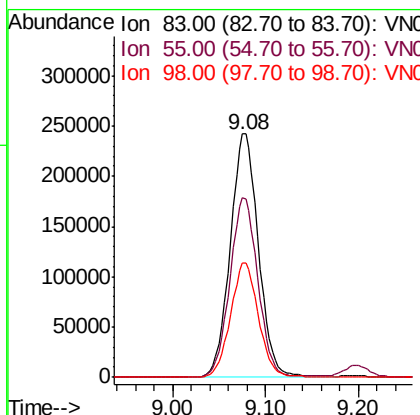
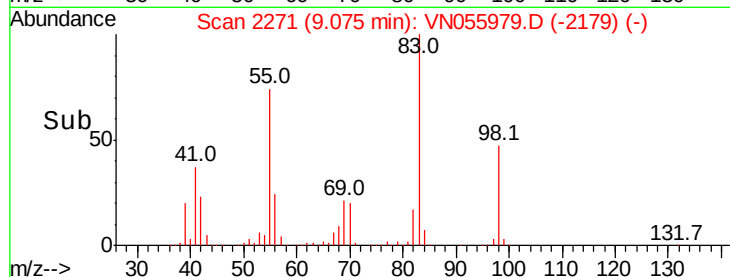
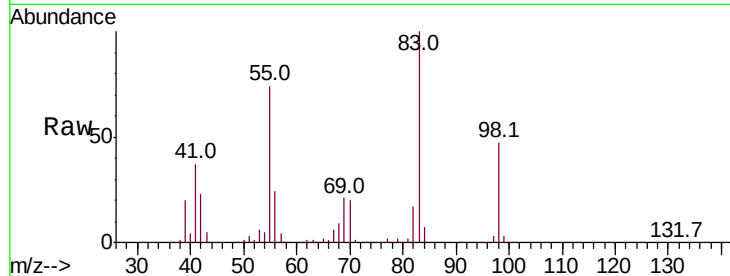
#39
Methylvlcyclohexane
Concen: 101.645 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	59.3	88.9
98	47.0	36.6	54.8

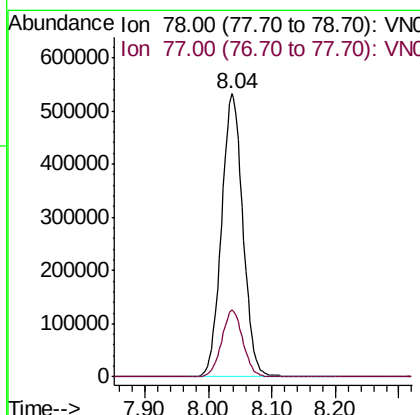
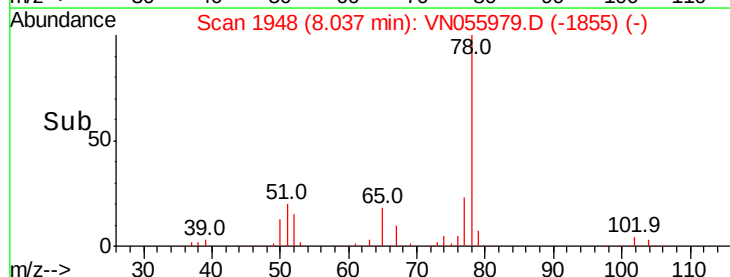
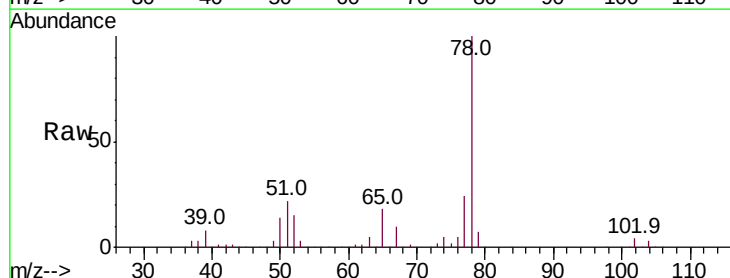
Manual Integrations
APPROVED

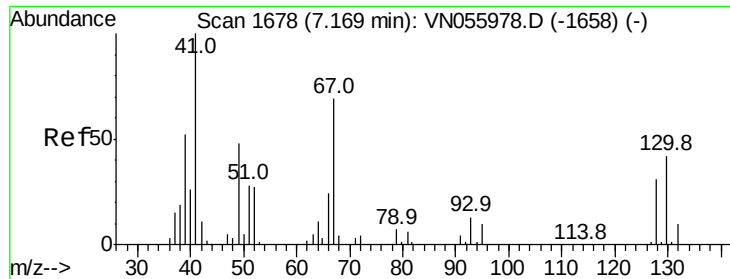
MMDadoda
6/5/2019 4:03:40 PM



#40
Benzene
Concen: 100.338 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





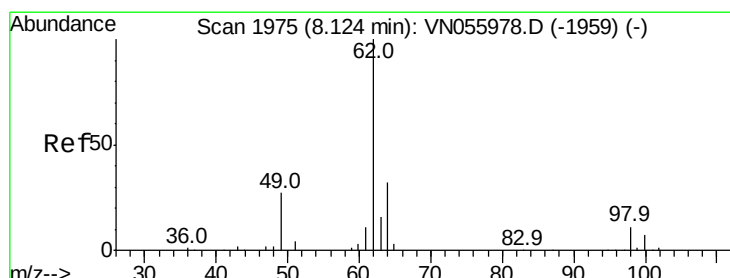
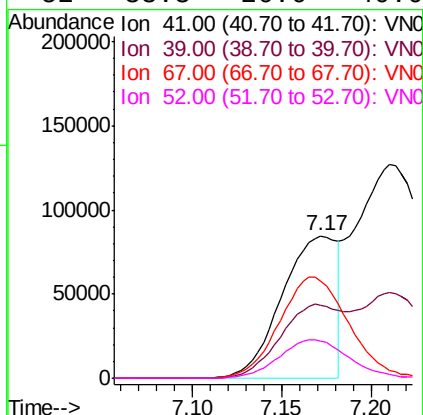
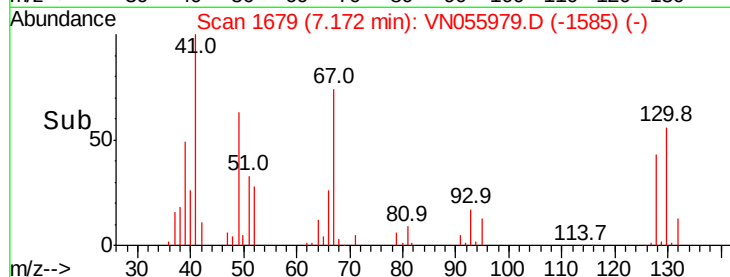
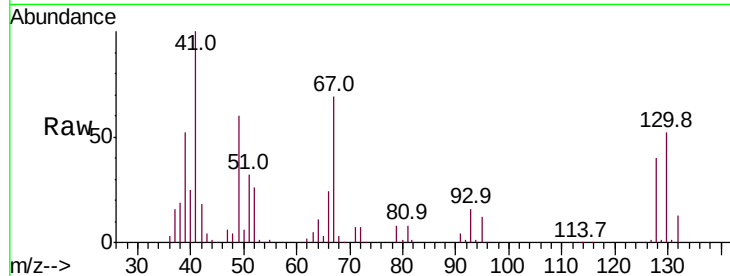
#41
Methacrylonitrile
Concen: 113.913 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.6	68.4
67	89.3	67.7	101.5
52	33.3	26.6	40.0

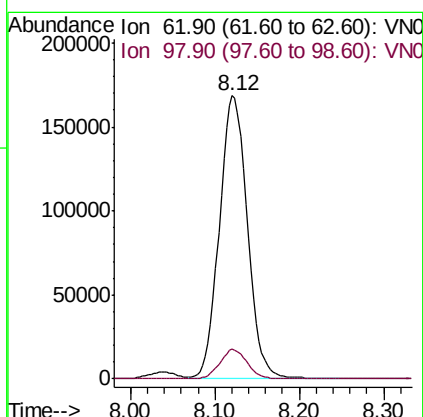
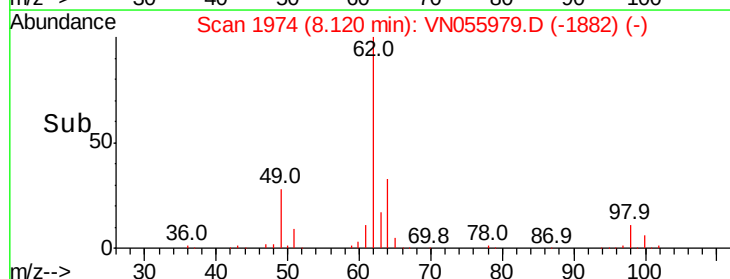
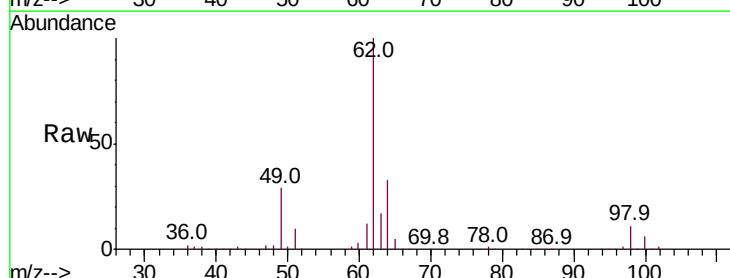
Manual Integrations
APPROVED

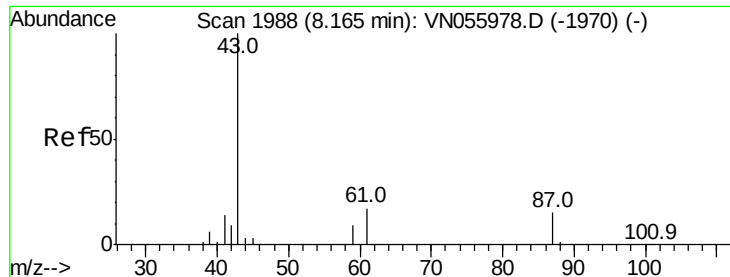
MMDadoda
6/5/2019 4:03:40 PM



#42
1,2-Dichloroethane
Concen: 96.466 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 109.385 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 620282

Ion Ratio Lower Upper

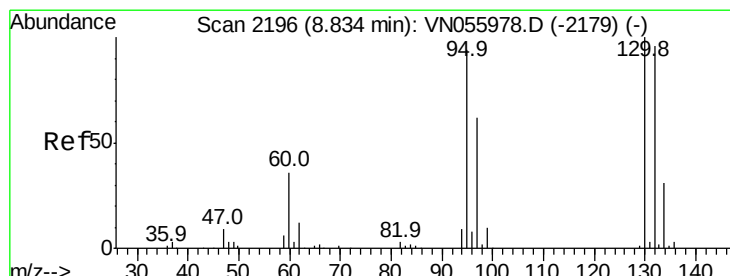
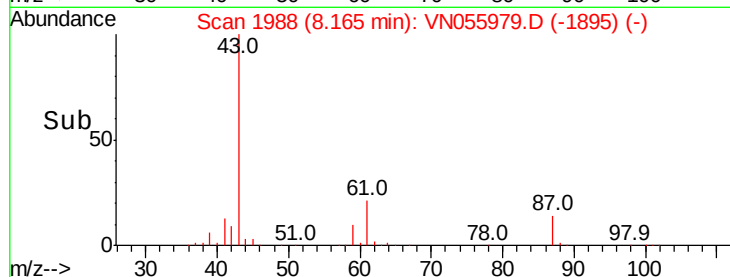
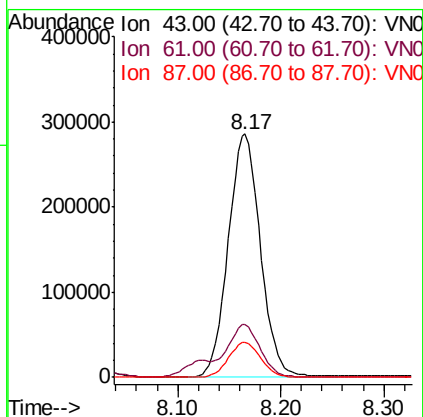
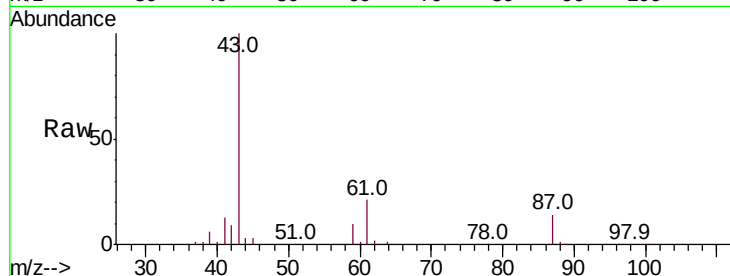
43 100

61 21.4 22.2 33.4#

87 14.5 11.4 17.2

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#44

Trichloroethene

Concen: 98.715 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055979.D

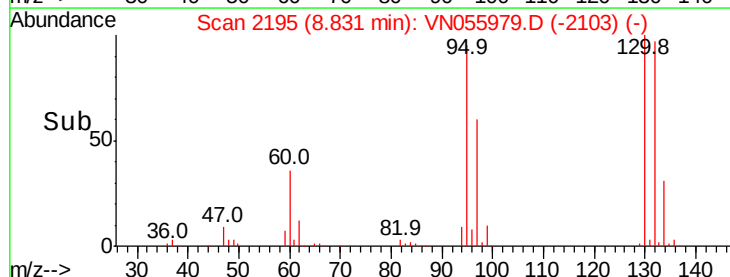
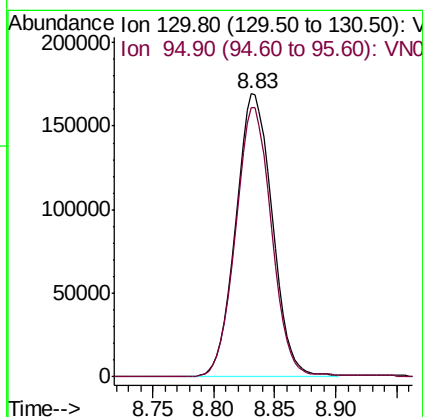
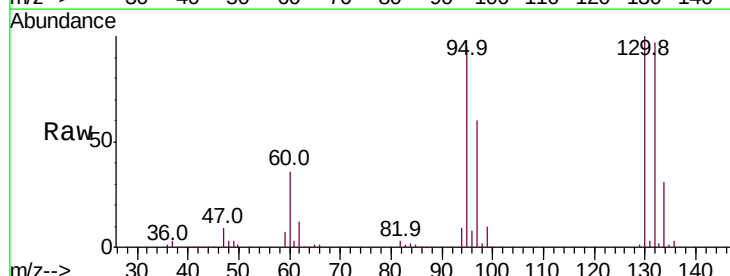
Acq: 4 Jun 2019 10:02

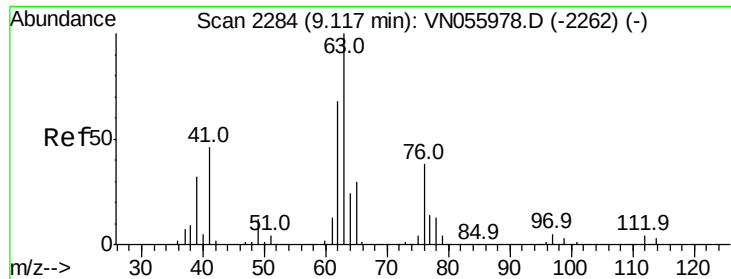
Tgt Ion:130 Resp: 351331

Ion Ratio Lower Upper

130 100

95 95.3 0.0 188.0





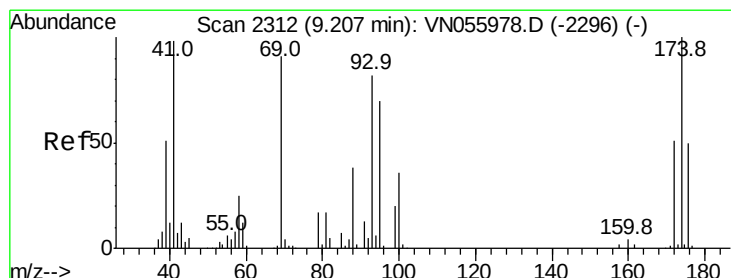
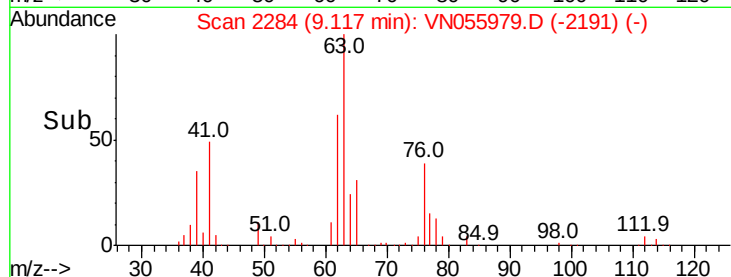
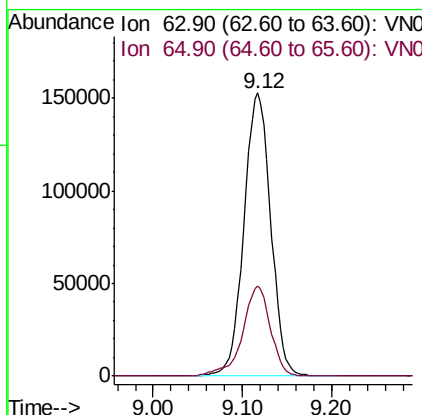
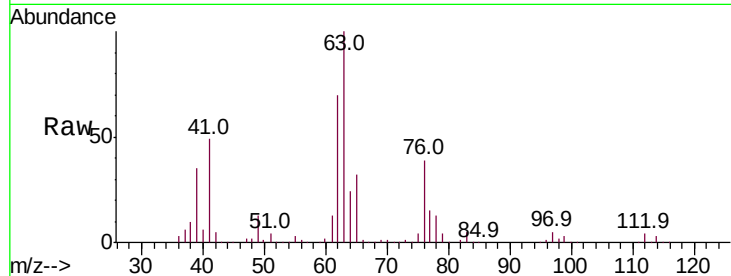
#45
 1,2-Dichloropropane
 Concen: 100.896 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.6	36.8

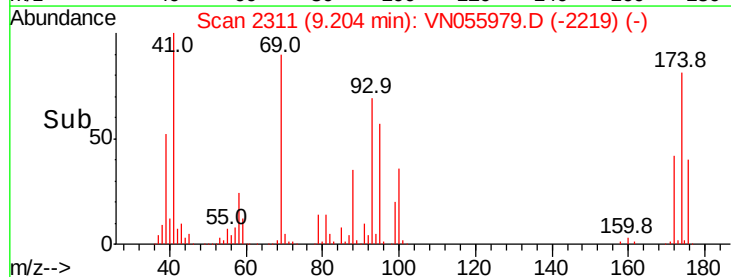
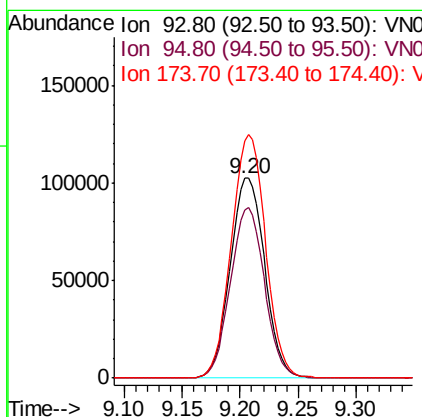
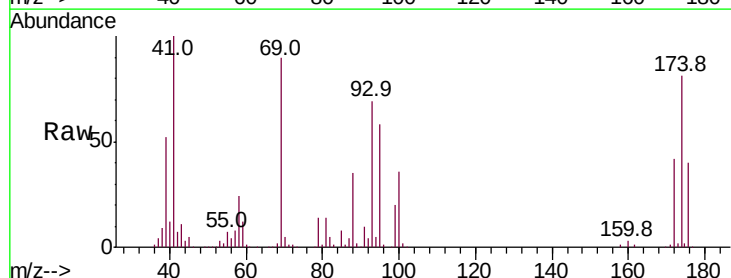
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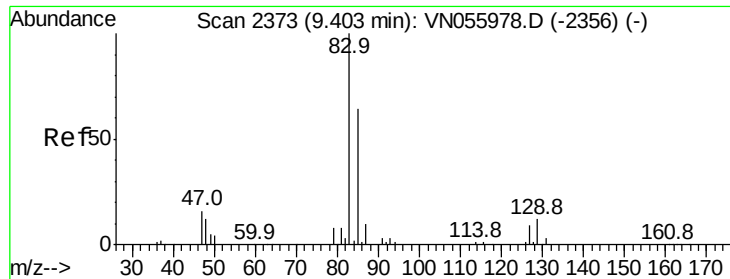
MMDadoda
 6/5/2019 4:03:40 PM



#46
 Dibromomethane
 Concen: 103.261 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.7	100.1
174	120.5	96.4	144.6





#47

Bromodichloromethane

Concen: 110.895 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

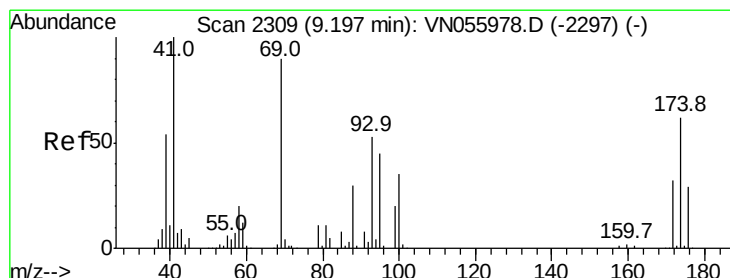
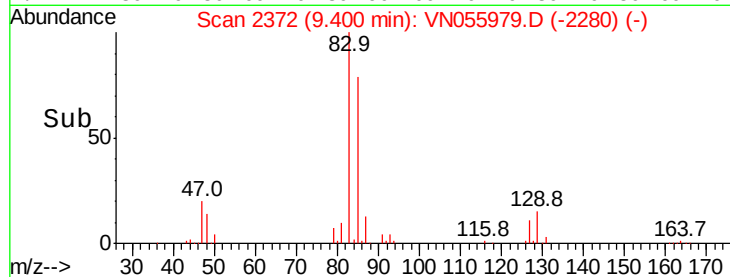
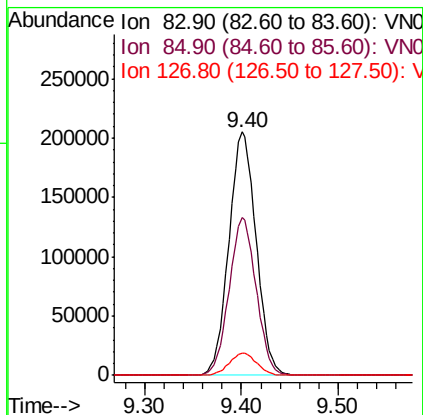
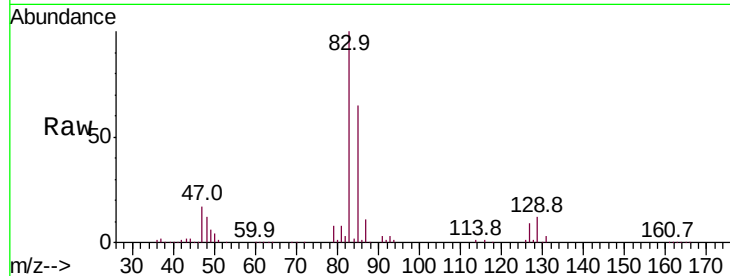
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	400526
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.2	78.2
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 108.405 ug/l

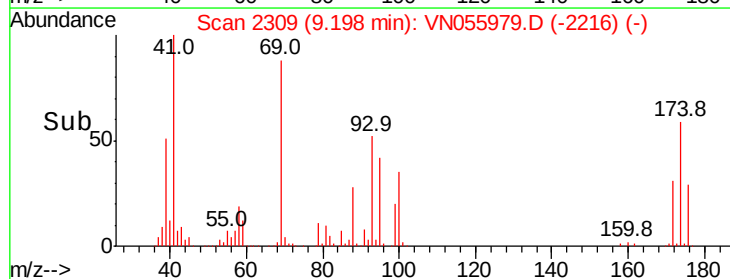
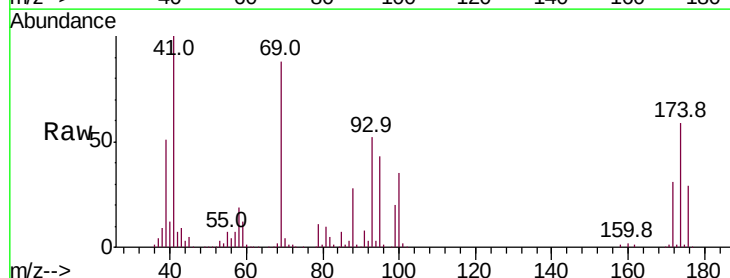
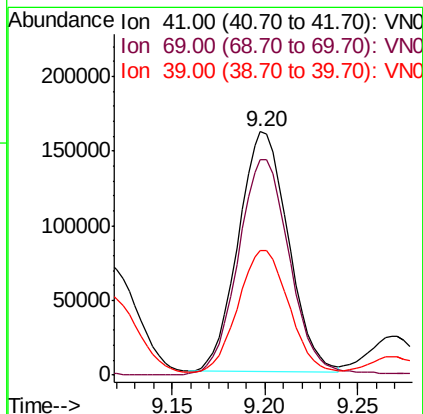
RT: 9.20 min Scan# 2309

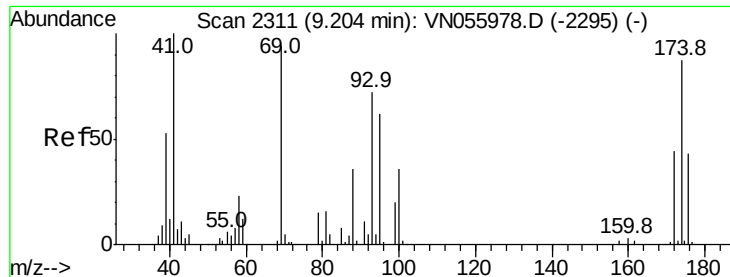
Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Tgt Ion:	41	Resp:	302086
Ion Ratio	Lower	Upper	
41	100		
69	92.0	71.0	106.6
39	53.7	44.2	66.2





#49

1,4-Dioxane

Concen: 2172.499 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 131552

Ion Ratio Lower Upper

88 100

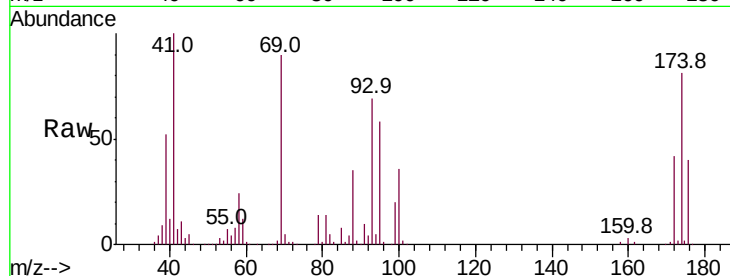
43 25.1 20.5 30.7

58 67.2 55.8 83.6

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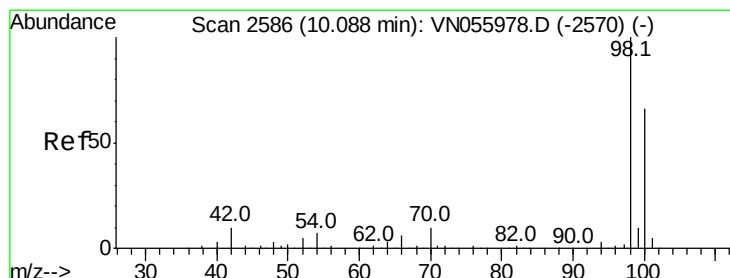
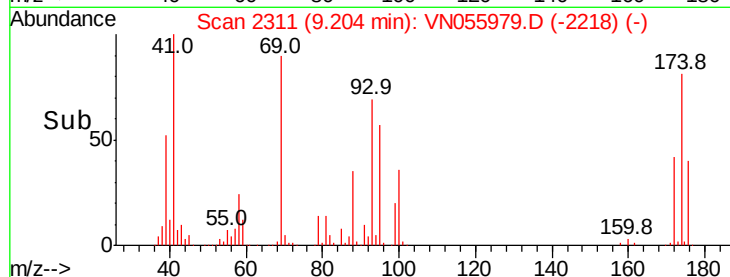
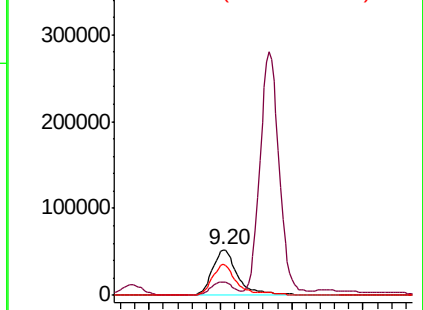
6/5/2019 4:03:40 PM



Abundance Ion 88.00 (87.70 to 88.70): VN055979.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN055979.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055979.D (-2295) (-)



#50

Toluene-d8

Concen: 100.875 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055979.D

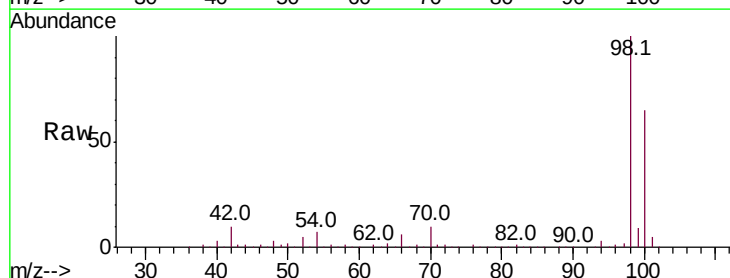
Acq: 4 Jun 2019 10:02

Tgt Ion: 98 Resp: 1123744

Ion Ratio Lower Upper

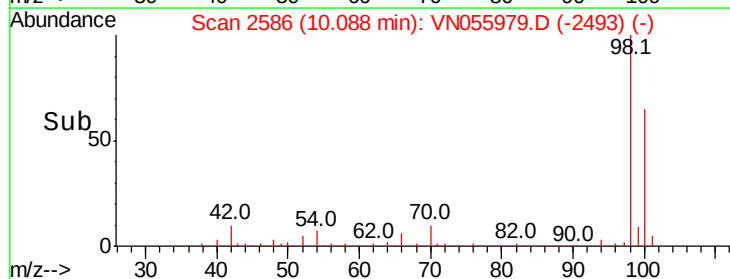
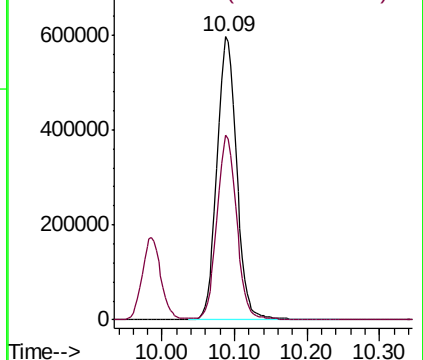
98 100

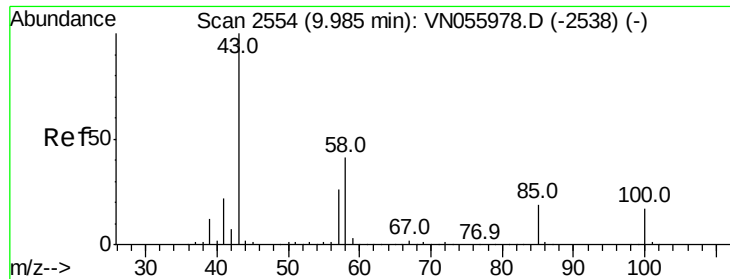
100 65.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055979.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN055979.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 537.094 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Tot Ion: 43 Resp: 1935165

Ion Ratio Lower Upper

43 100

58 40.6 32.1 48.1

Instrument :

MSVOA_N

ClientSampleId :

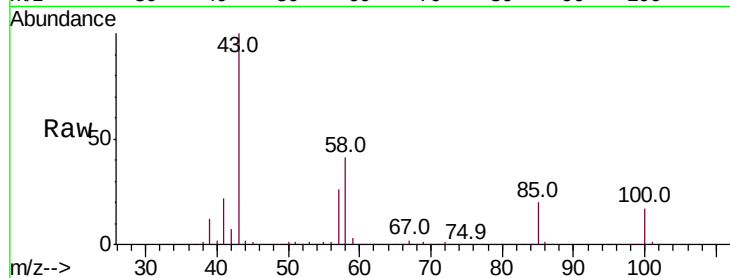
VSTDIC100

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1200000

1000000

800000

600000

400000

200000

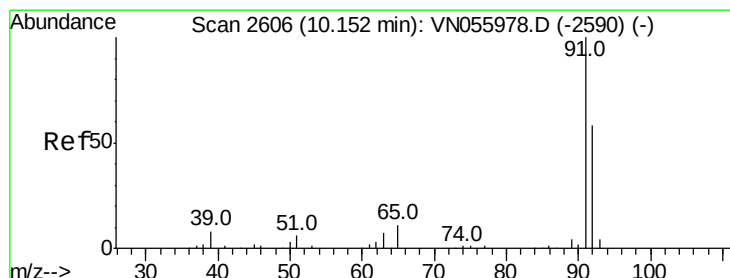
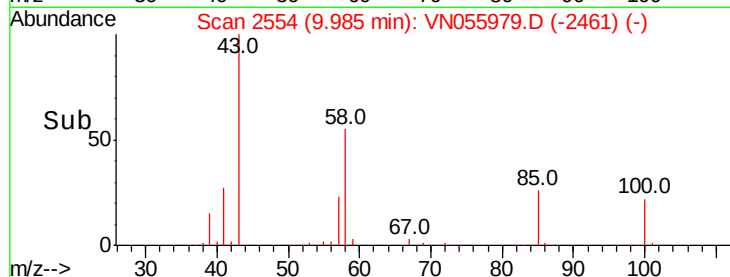
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 103.769 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055979.D

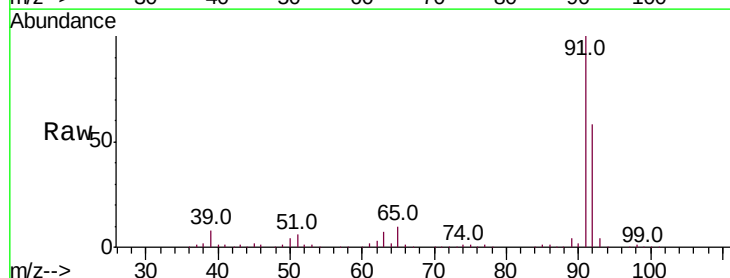
Acq: 4 Jun 2019 10:02

Tgt Ion: 92 Resp: 786714

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

800000

600000

400000

200000

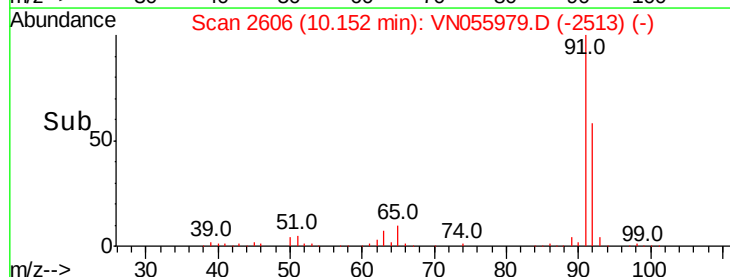
0

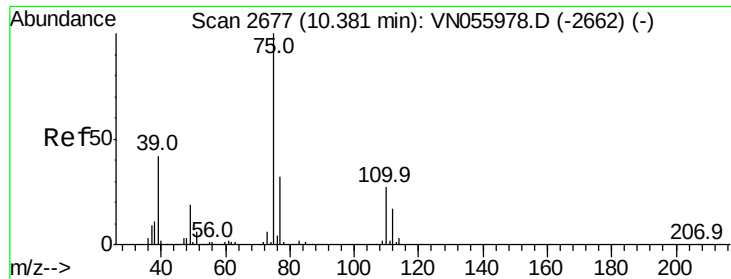
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 124.204 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 444367

Ion Ratio Lower Upper

75 100

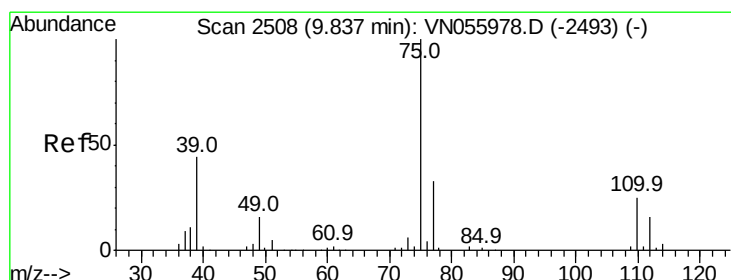
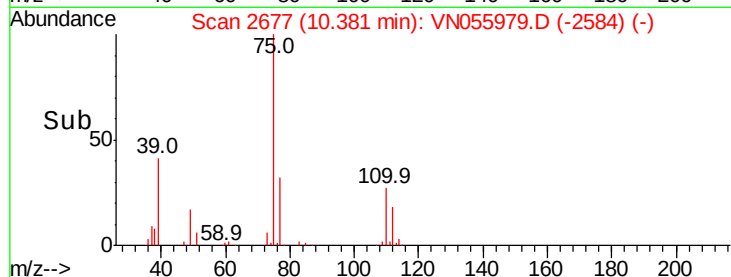
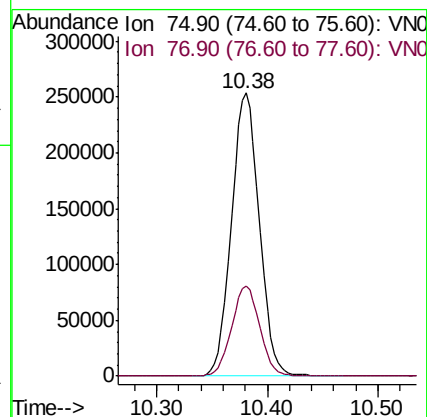
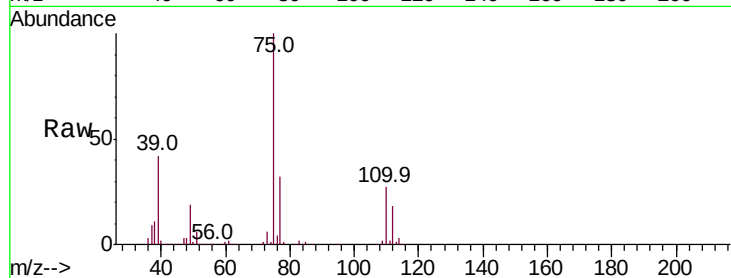
77 31.7 25.8 38.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 117.802 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

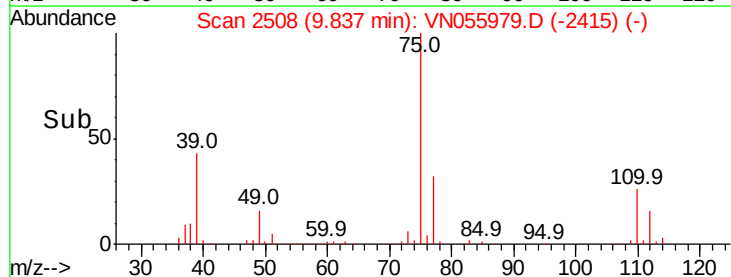
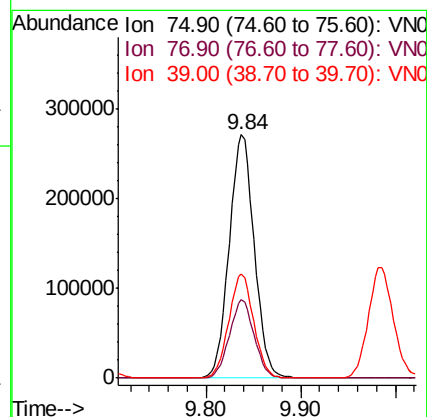
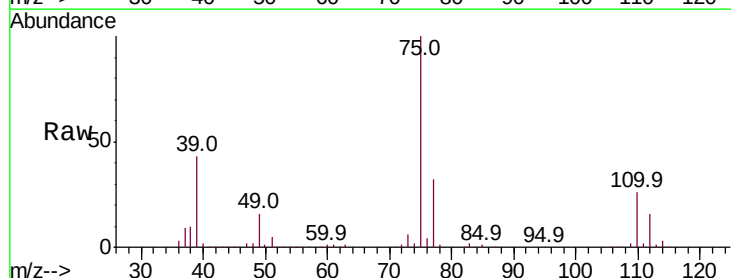
Tgt Ion: 75 Resp: 499610

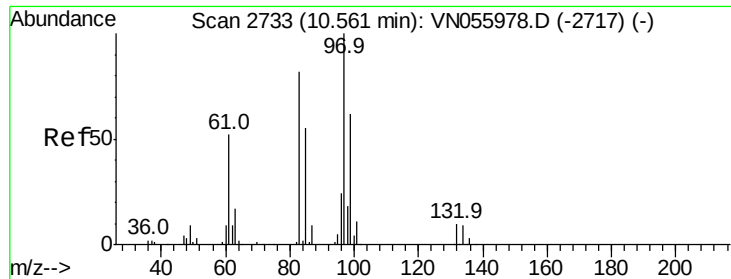
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 42.9 36.3 54.5





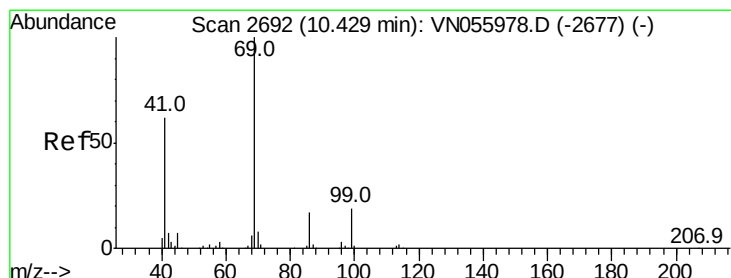
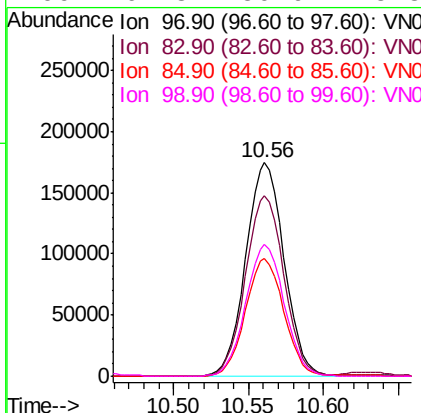
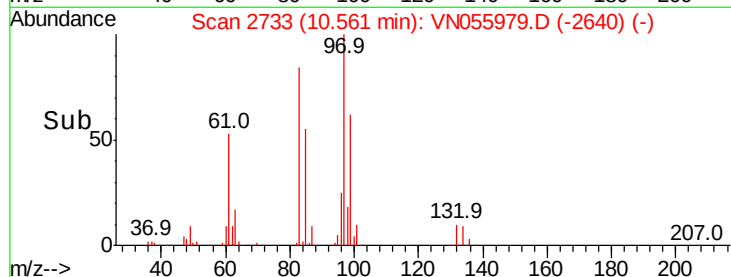
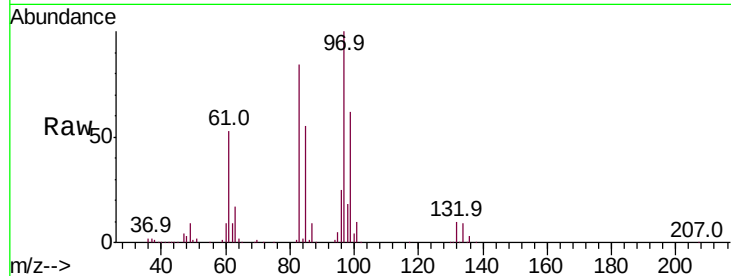
#55
 1,1,2-Trichloroethane
 Concen: 103.440 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	97	Resp	310951
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.0	100.6
85	55.1	44.0	66.0
99	61.8	50.6	75.8

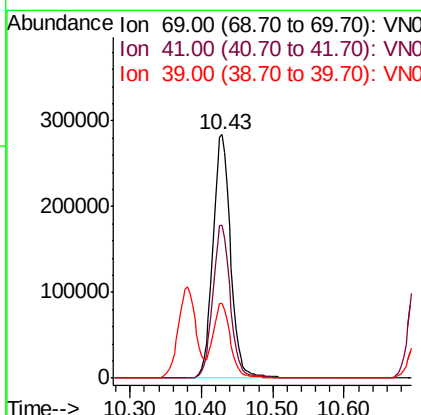
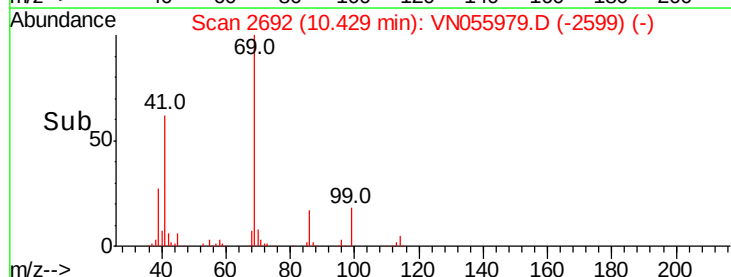
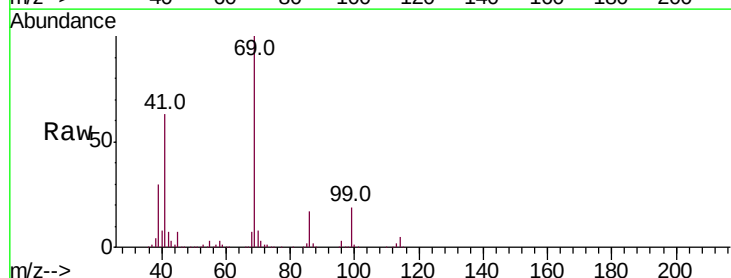
Manual Integrations
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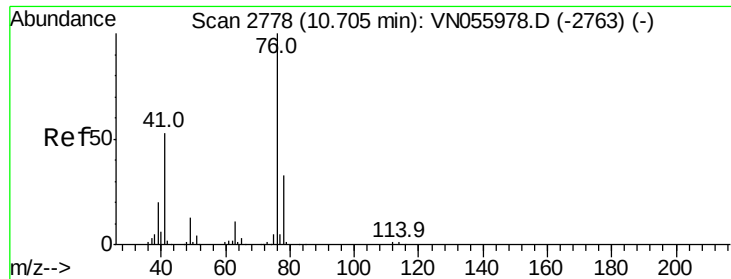
MMDadoda
 6/5/2019 4:03:40 PM



#56
 Ethyl methacrylate
 Concen: 115.438 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	69	Resp	488462
Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.7	74.5
39	30.3	24.7	37.1





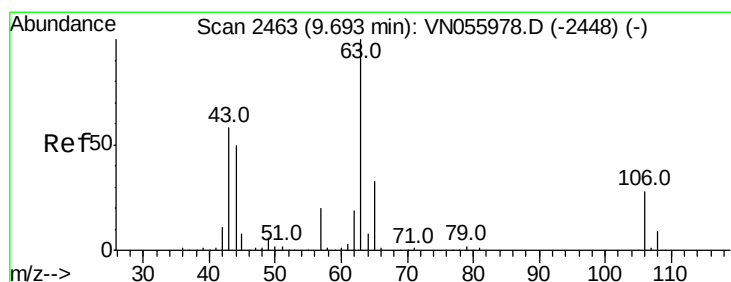
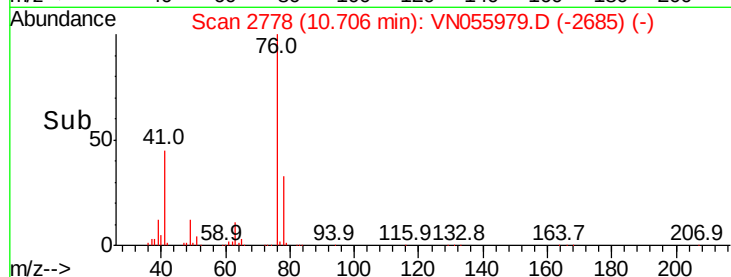
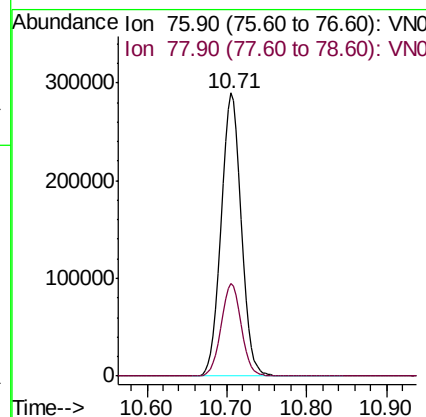
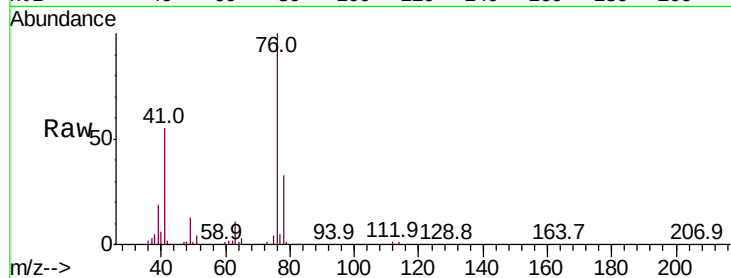
#57
 1,3-Dichloropropane
 Concen: 104.336 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 508602
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6

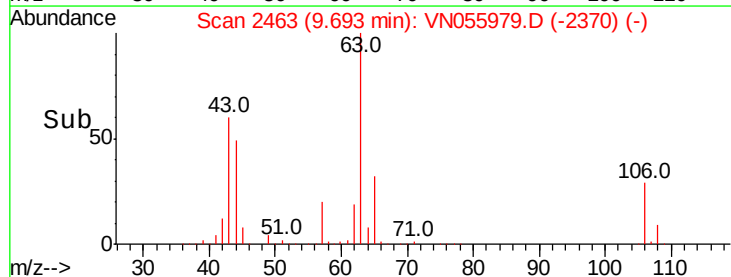
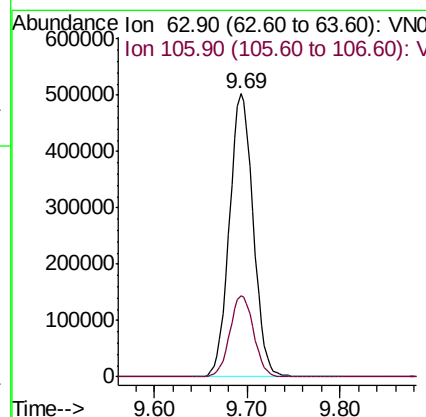
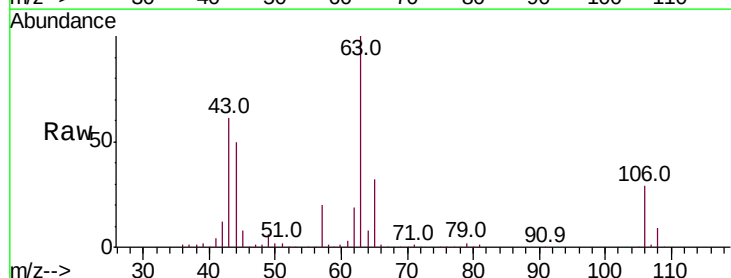
Manual Integrations
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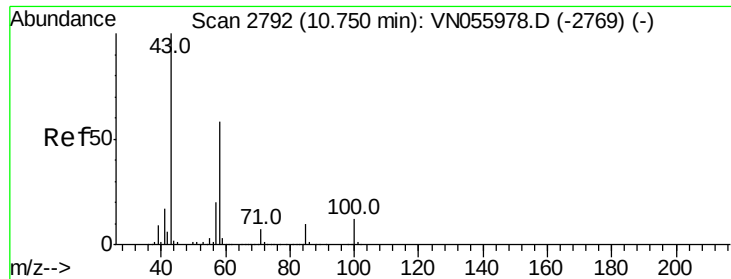
MMDadoda
 6/5/2019 4:03:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 627.546 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion: 63 Resp: 895063
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.7 34.1





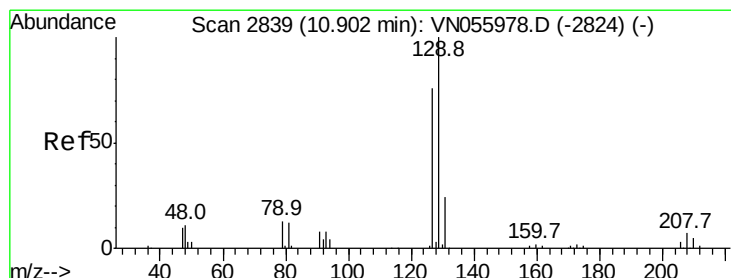
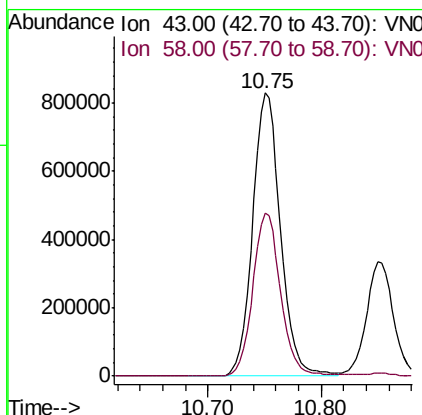
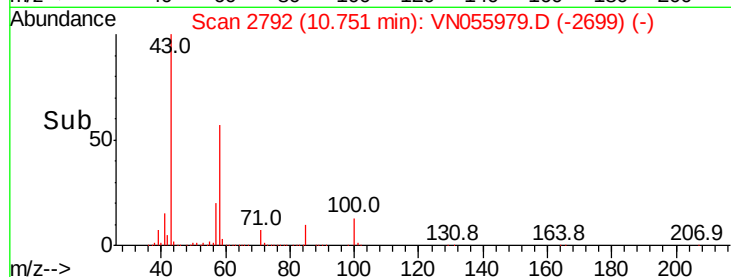
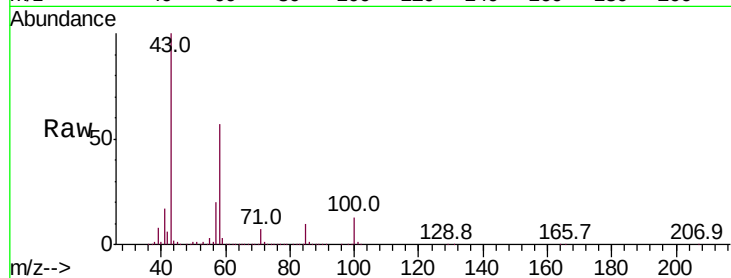
#59
2-Hexanone
Concen: 544.197 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1416042
Ion Ratio Lower Upper
43 100
58 57.7 28.2 84.7

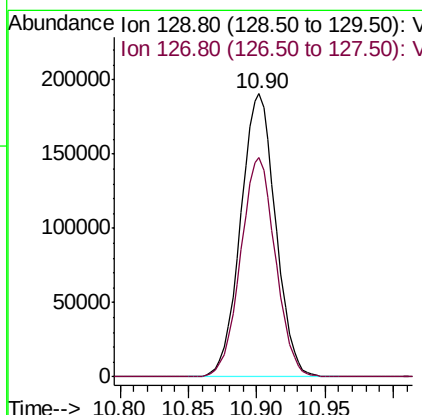
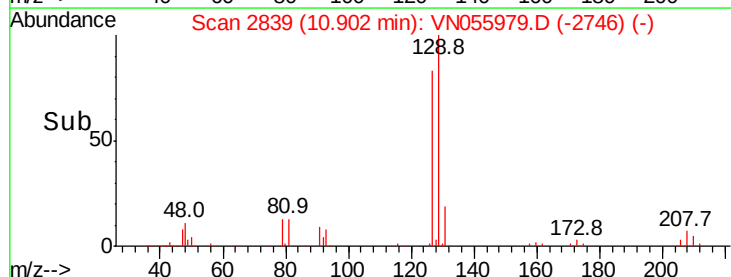
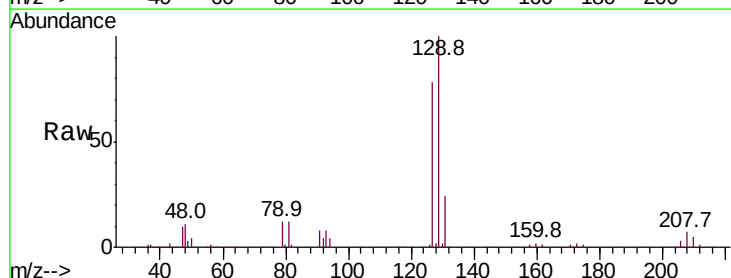
Manual Integrations
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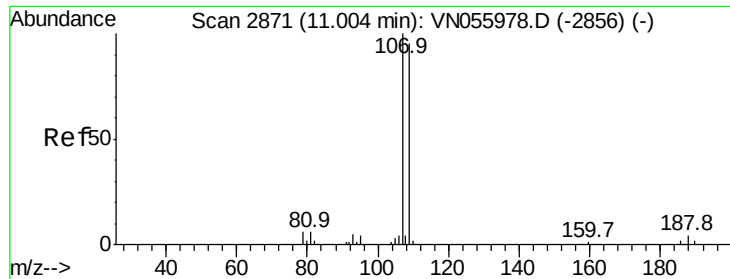
MMDadoda
6/5/2019 4:03:40 PM



#60
Dibromochloromethane
Concen: 126.356 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion: 129 Resp: 339860
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 110.536 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 332058

Ion Ratio Lower Upper

107 100

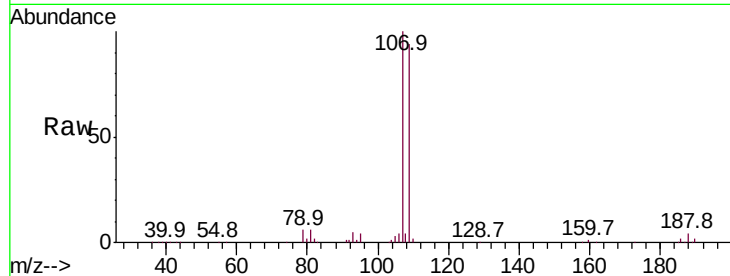
109 94.7 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

6/5/2019 4:03:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

200000

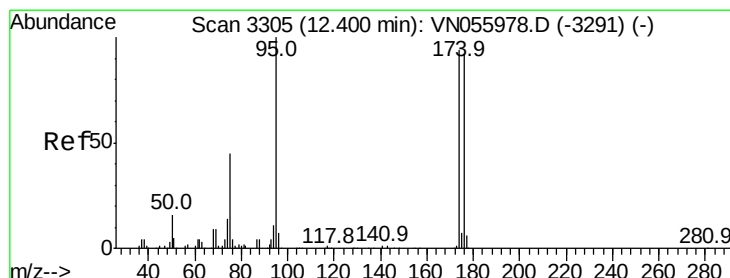
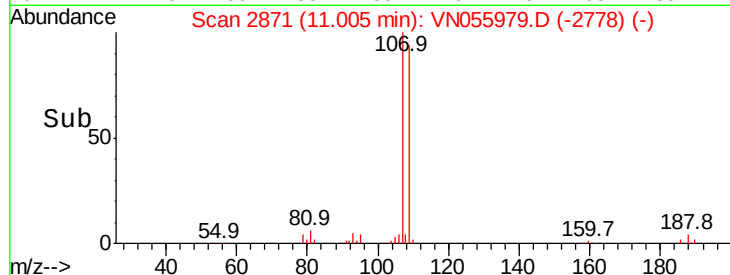
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 110.037 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

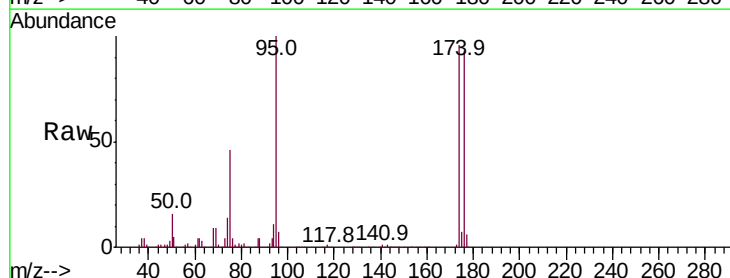
Tgt Ion: 95 Resp: 404555

Ion Ratio Lower Upper

95 100

174 95.0 0.0 191.0

176 92.2 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

300000

250000

200000

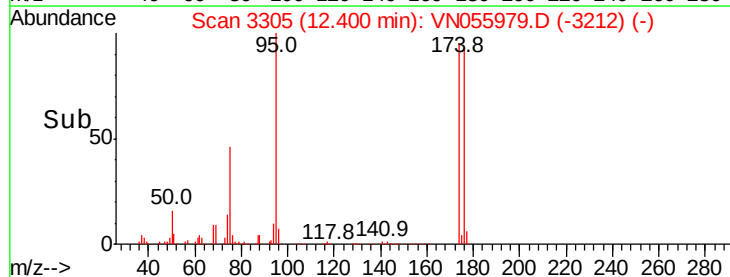
150000

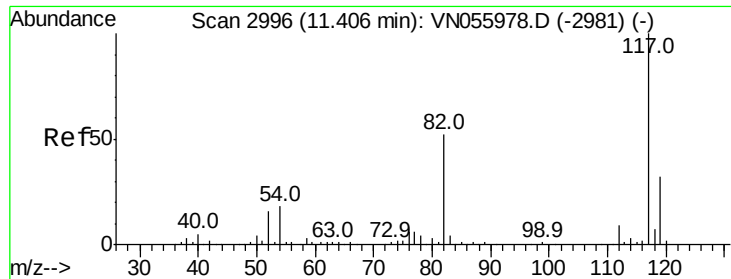
100000

50000

0

Time-->





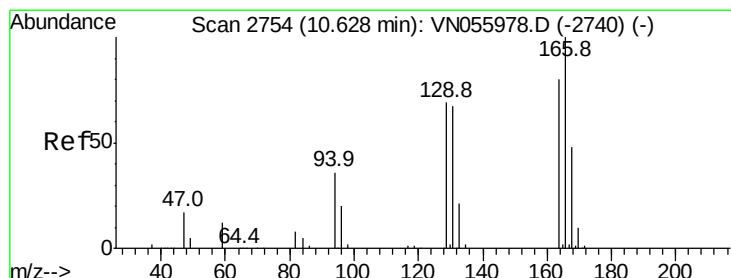
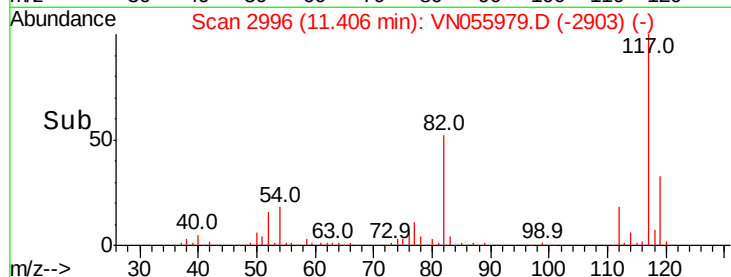
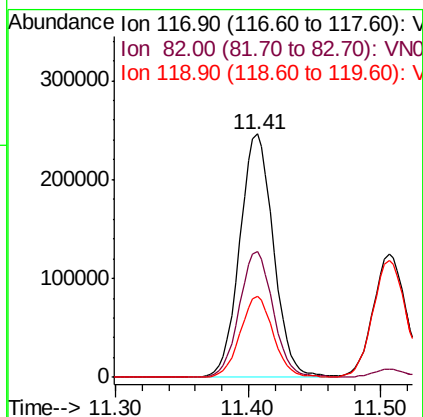
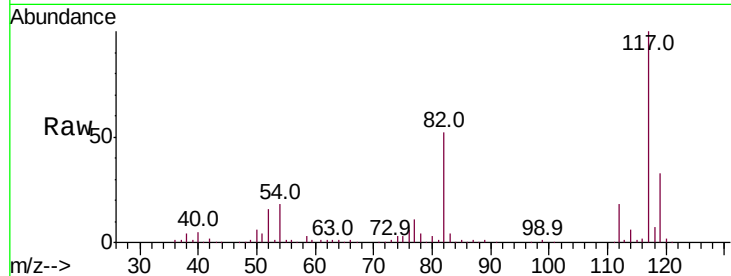
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.8	62.8
119	33.1	25.4	38.0

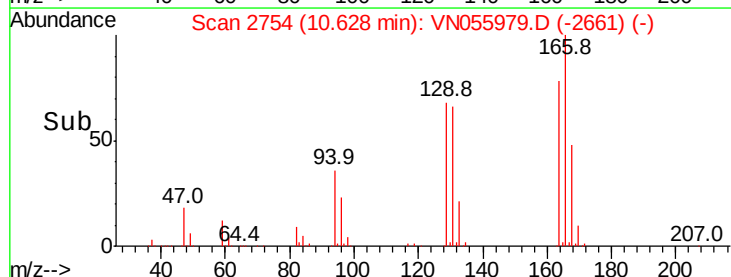
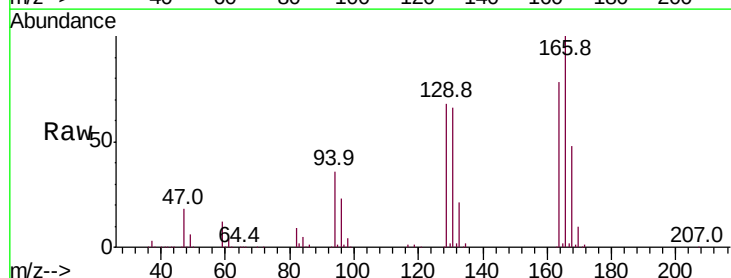
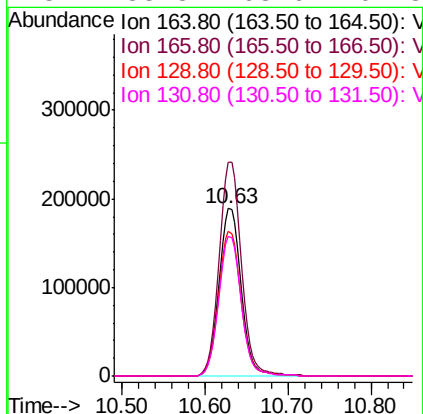
Manual Integrations
APPROVED

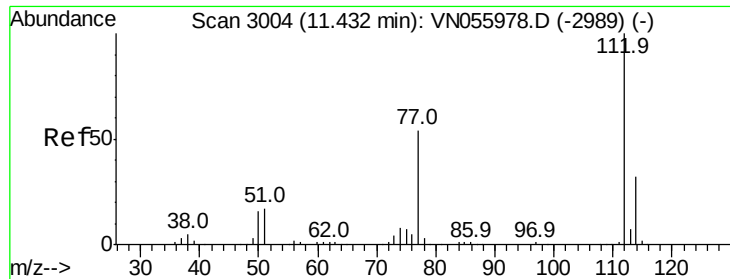
MMDadoda
6/5/2019 4:03:40 PM



#64
Tetrachloroethene
Concen: 89.201 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.0	154.6
129	86.6	70.6	105.8
131	83.8	68.6	102.8





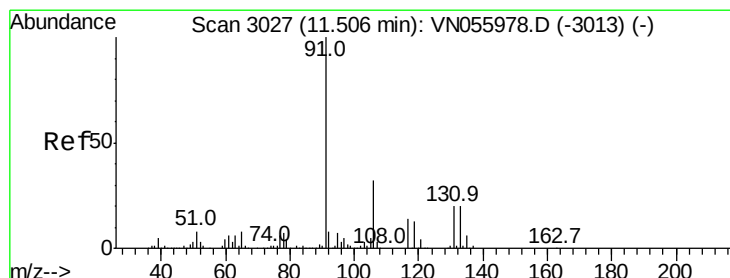
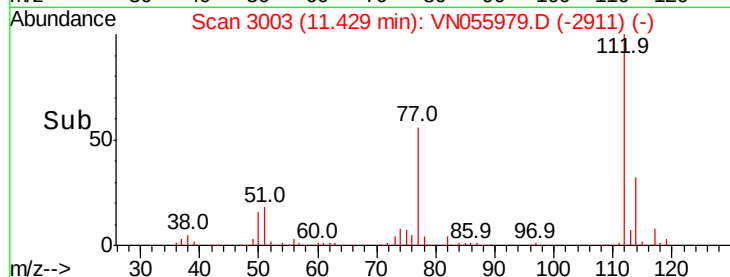
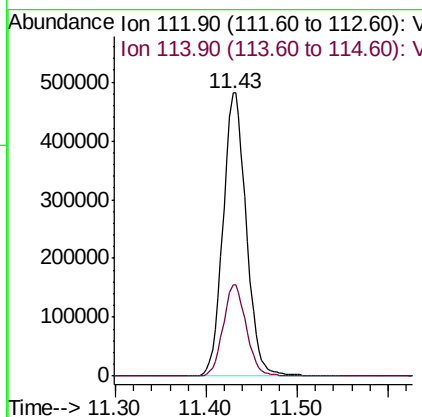
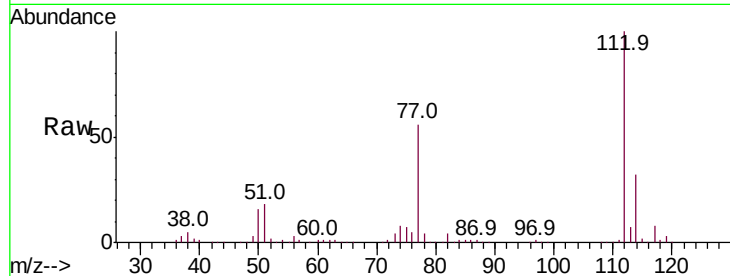
#65
Chlorobenzene
Concen: 97.852 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 852980
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4

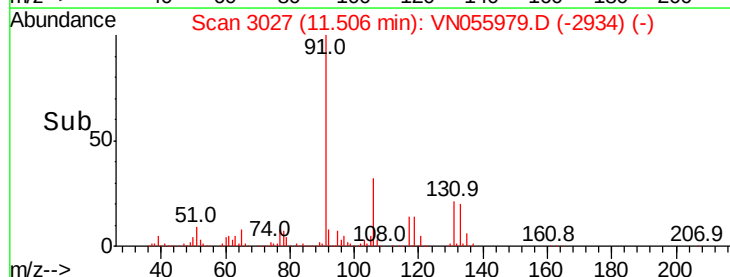
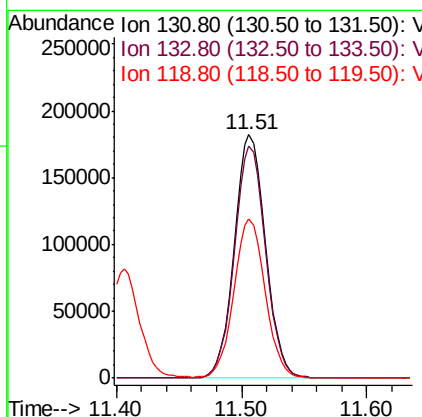
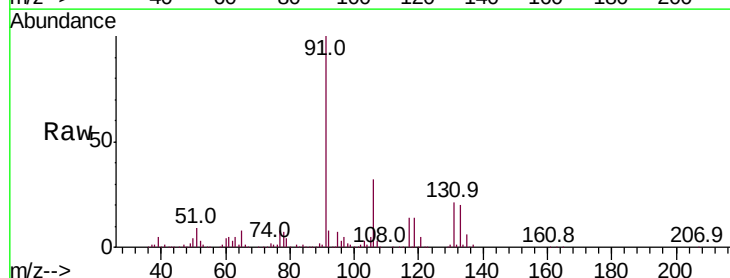
Manual Integrations
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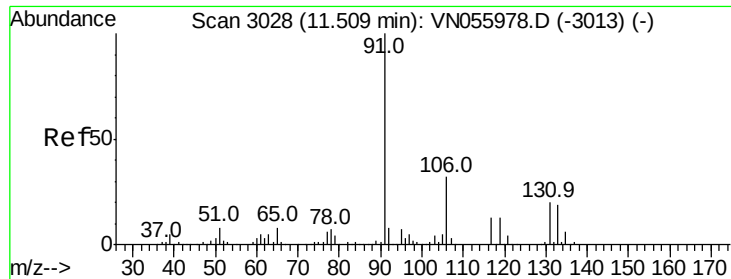
MMDadoda
6/5/2019 4:03:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 108.652 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion:131 Resp: 314636
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 65.8 33.1 99.5





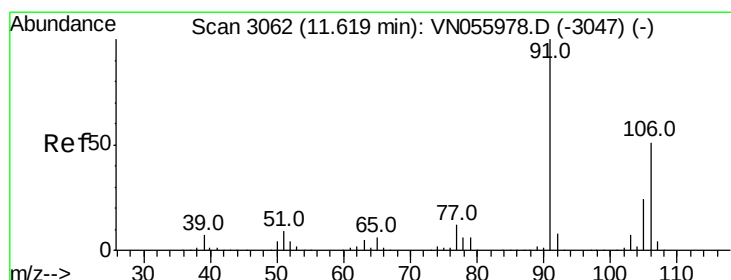
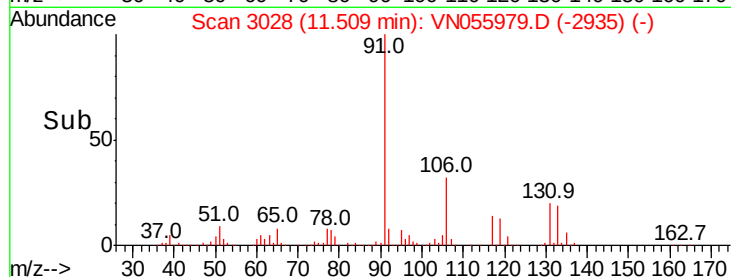
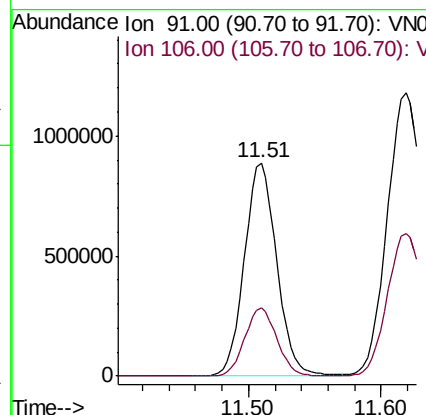
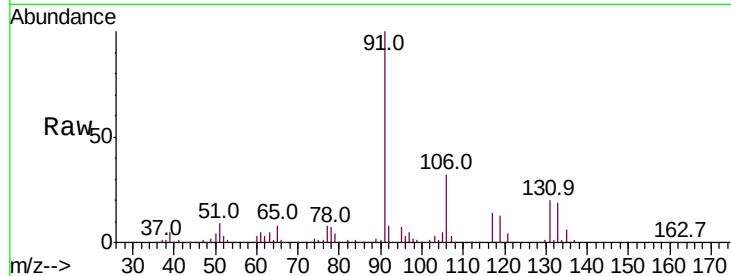
#67
Ethyl Benzene
Concen: 99.995 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1503849
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

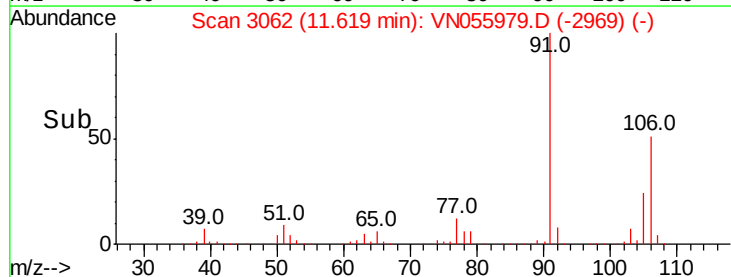
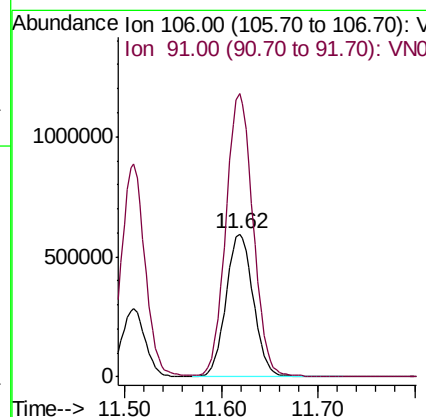
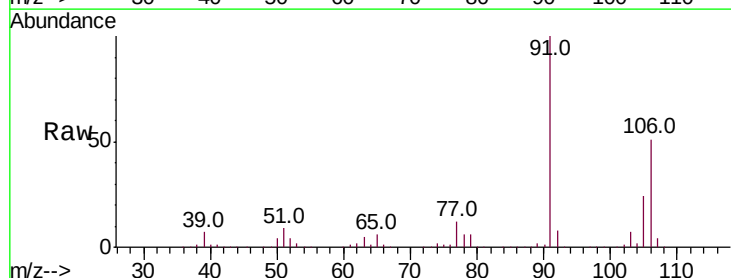
Manual Integrations
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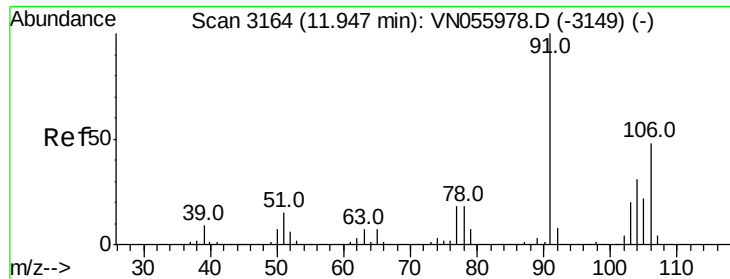
MMDadoda
6/5/2019 4:03:40 PM



#68
m/p-Xylenes
Concen: 205.008 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion: 106 Resp: 1169613
Ion Ratio Lower Upper
106 100
91 197.5 159.3 238.9





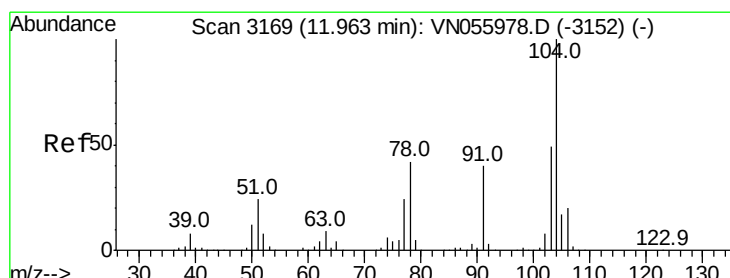
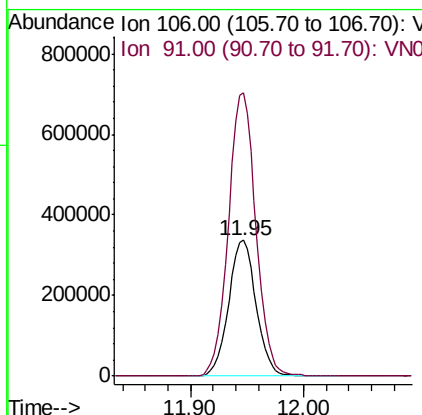
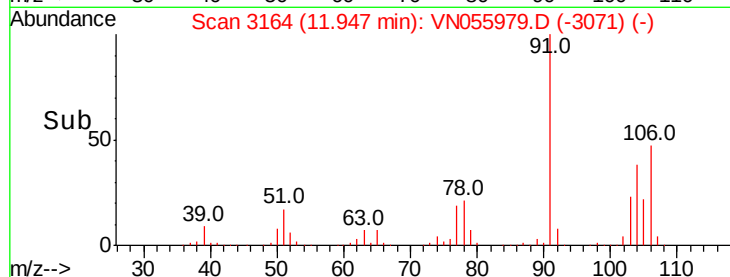
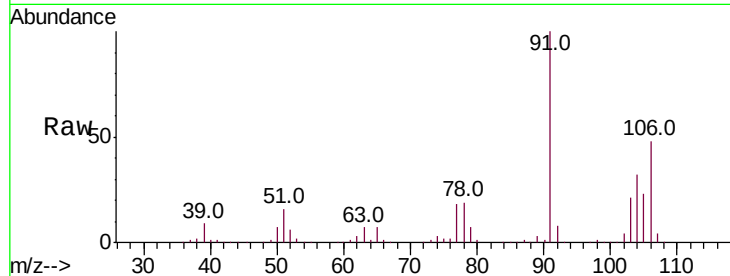
#69
o-Xylene
Concen: 100.524 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 568767
Ion Ratio Lower Upper
106 100
91 208.8 104.7 314.1

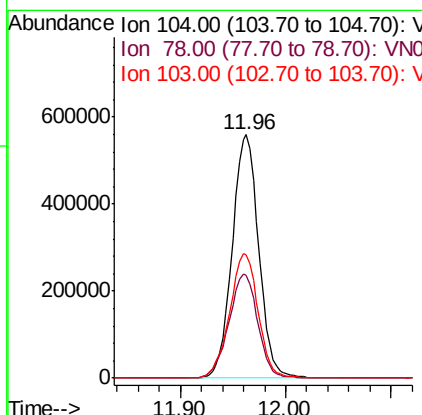
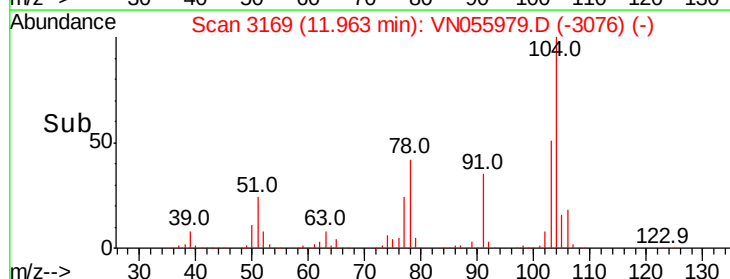
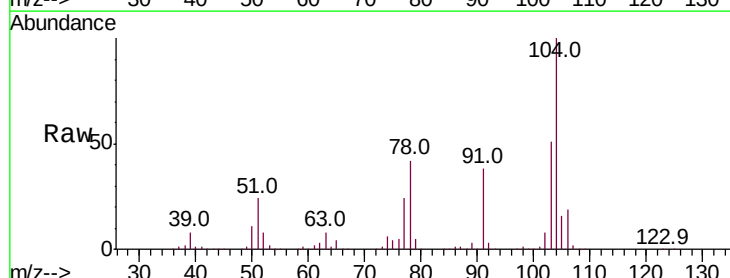
Manual Integrations
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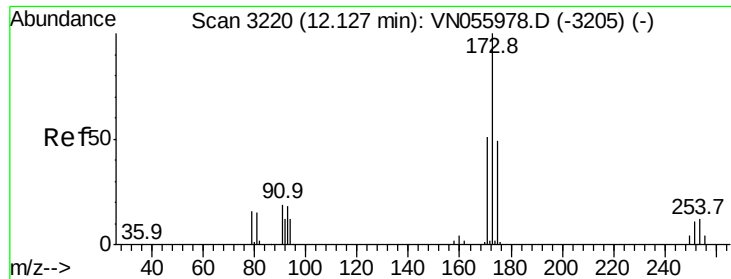
MMDadoda
6/5/2019 4:03:40 PM



#70
Styrene
Concen: 112.756 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion:104 Resp: 971928
Ion Ratio Lower Upper
104 100
78 46.6 37.8 56.6
103 55.0 44.2 66.2





#71

Bromoform

Concen: 133.410 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 258692

Ion Ratio Lower Upper

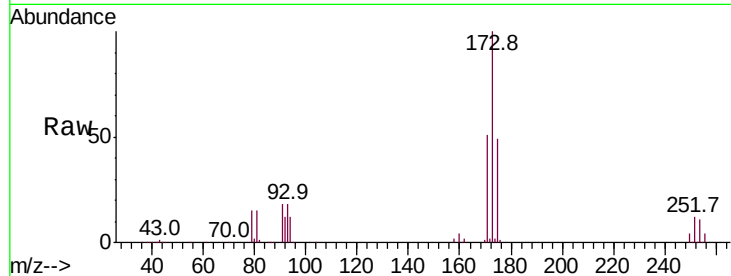
173 100

175 48.5 24.3 72.8

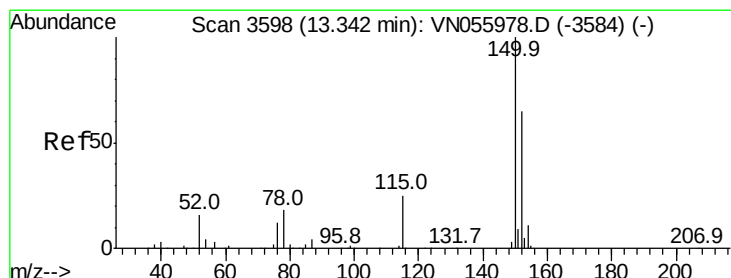
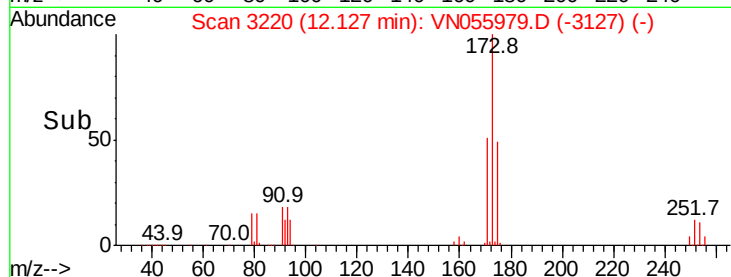
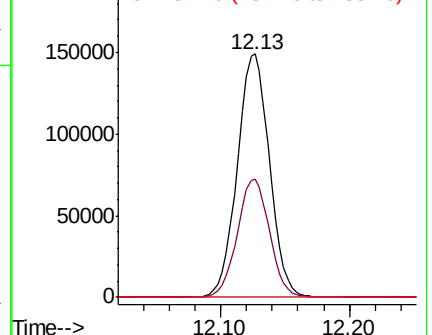
254 0.1 0.0 0.0#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
200000
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: VN055979.D

Acq: 4 Jun 2019 10:02

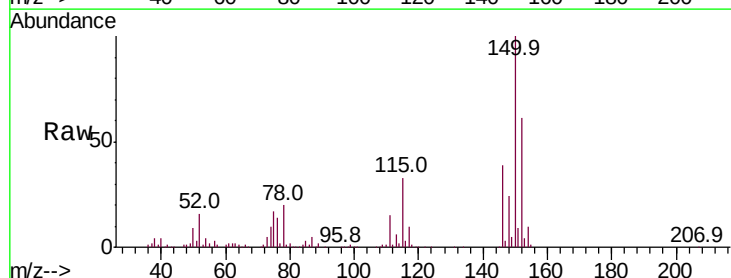
Tgt Ion:152 Resp: 217060

Ion Ratio Lower Upper

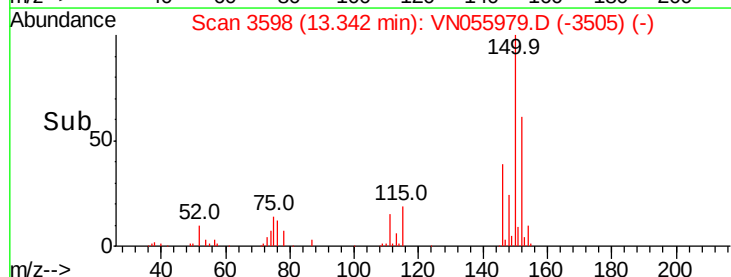
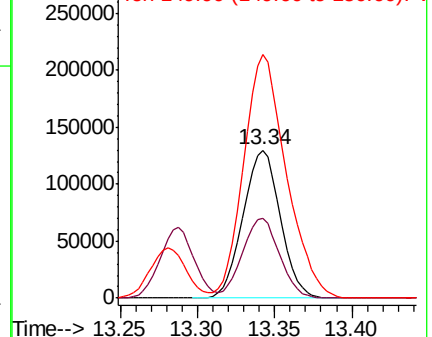
152 100

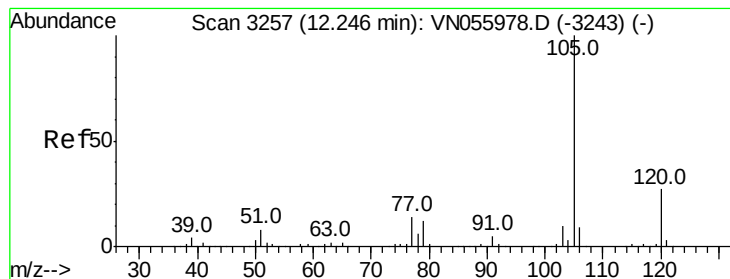
115 53.8 27.0 81.0

150 188.9 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
250000
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 78.926 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 1490202

Ion Ratio Lower Upper

105 100

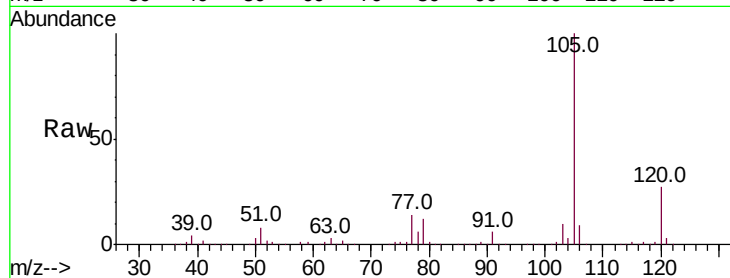
120 27.1 13.6 40.7

Manual Integrations

APPROVED

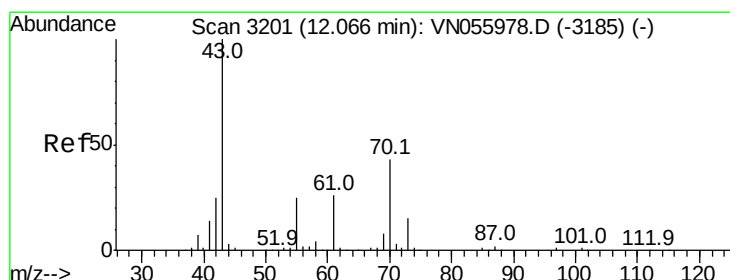
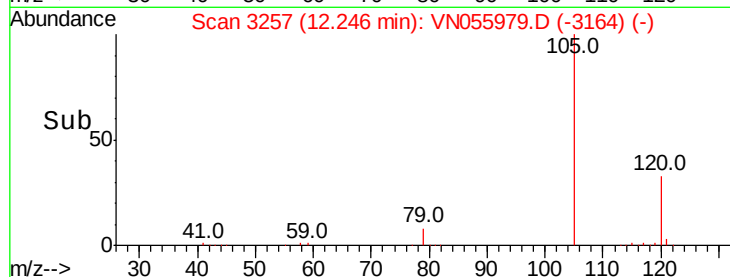
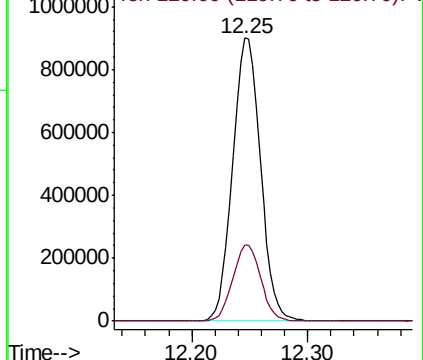
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 89.802 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Tgt Ion: 43 Resp: 539051

Ion Ratio Lower Upper

43 100

70 44.4 34.0 51.0

55 24.7 18.6 28.0

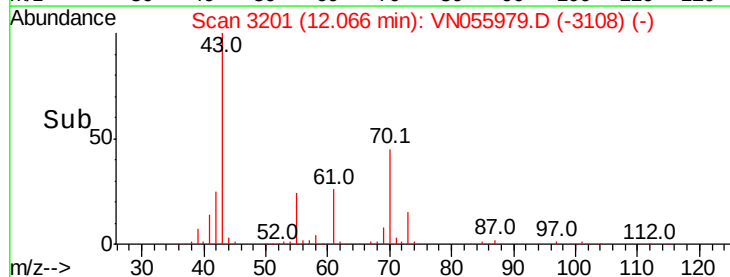
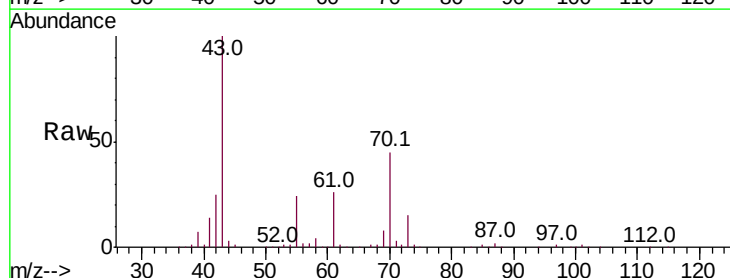
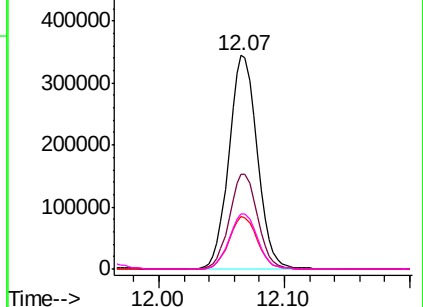
61 25.9 20.0 30.0

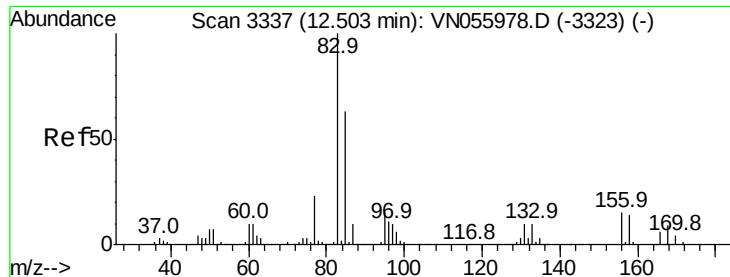
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 80.984 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

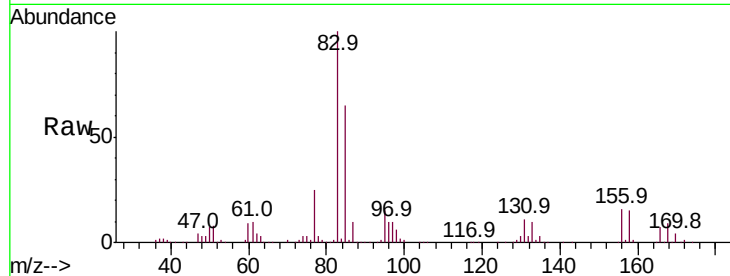
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	437104
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.4	16.2
85	64.9	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)

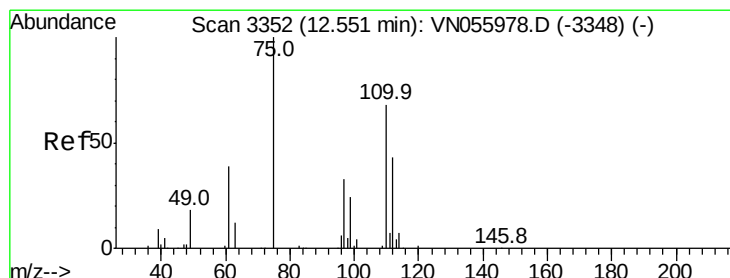
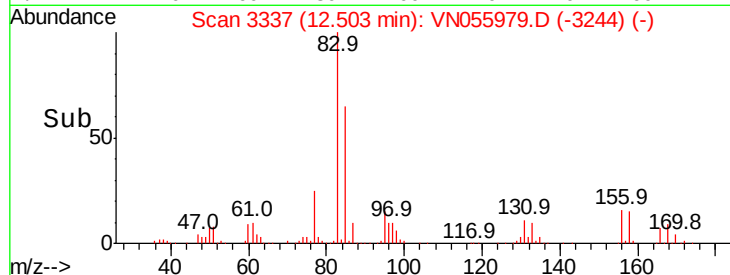
12.50

200000

100000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 80.135 ug/l m

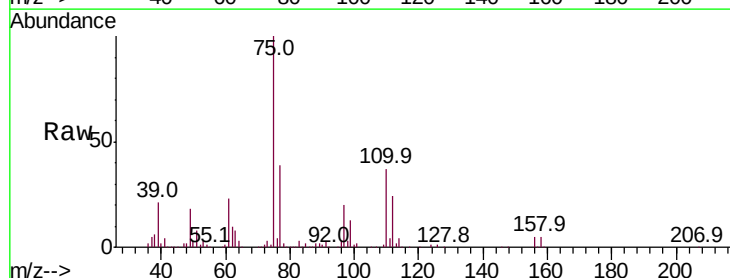
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Tgt Ion:	75	Resp:	355231
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)

400000

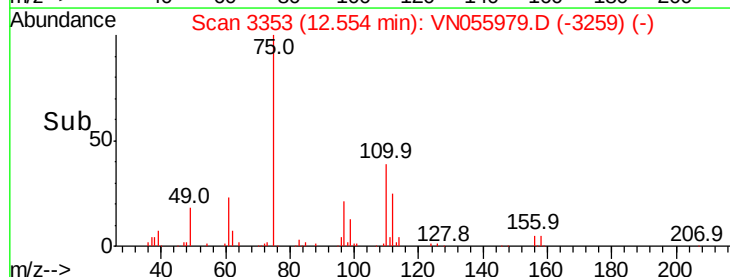
300000

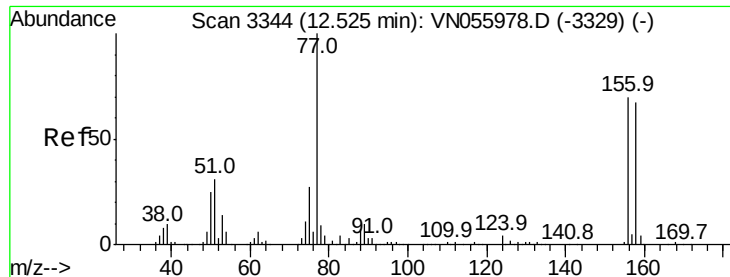
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 84.194 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 413351

Ion Ratio Lower Upper

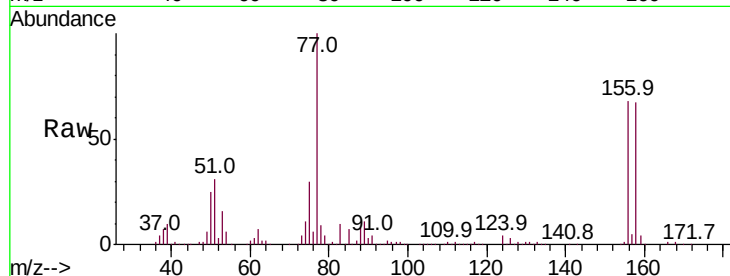
156 100

77 174.4 90.8 272.5

158 97.2 49.3 147.8

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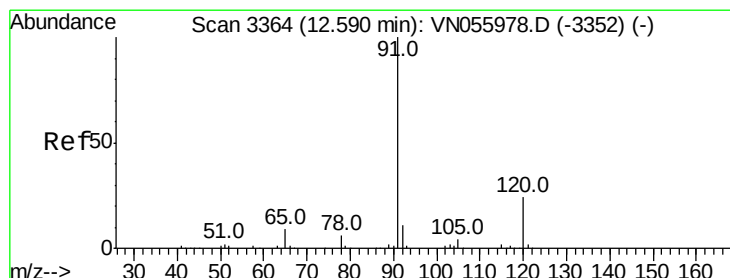
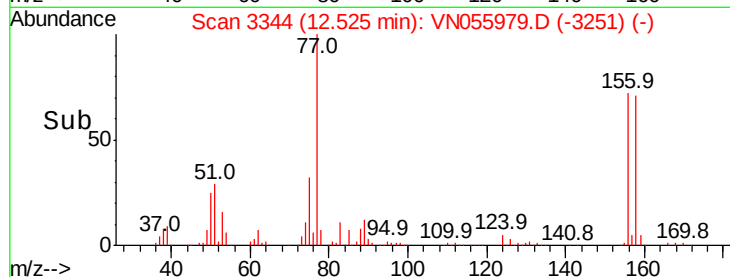
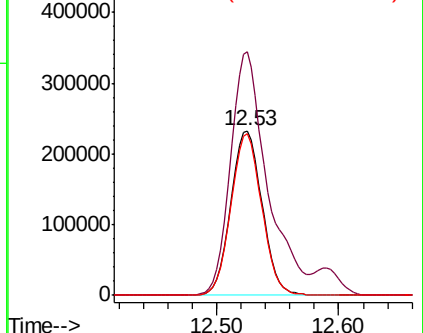
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 86.420 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055979.D

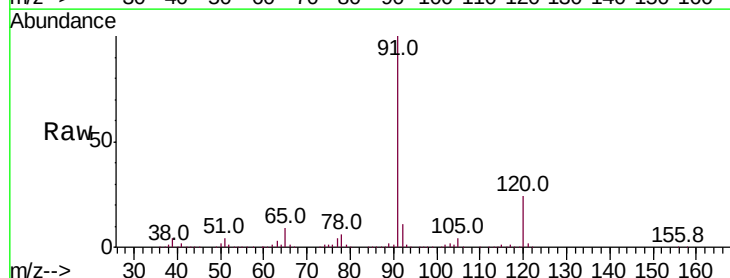
Acq: 4 Jun 2019 10:02

Tgt Ion: 91 Resp: 1659777

Ion Ratio Lower Upper

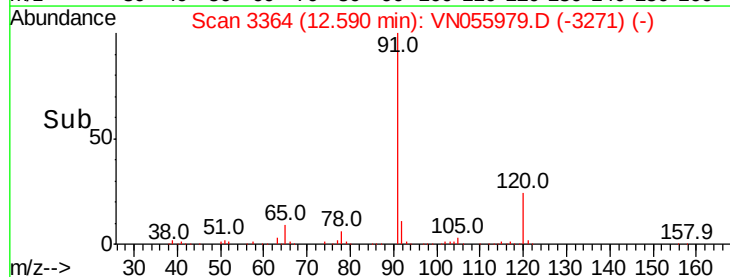
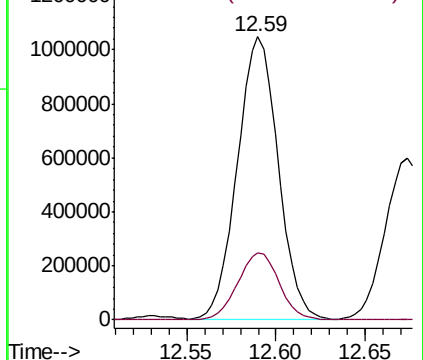
91 100

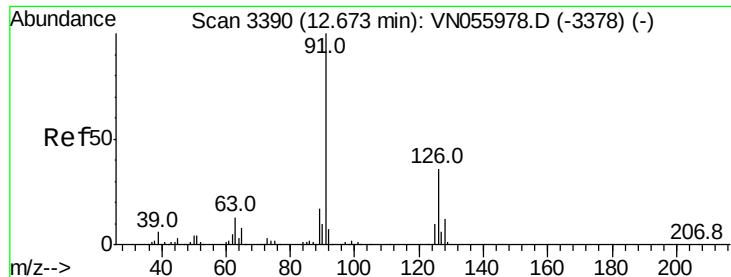
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 79.504 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 986622

Ion Ratio Lower Upper

91 100

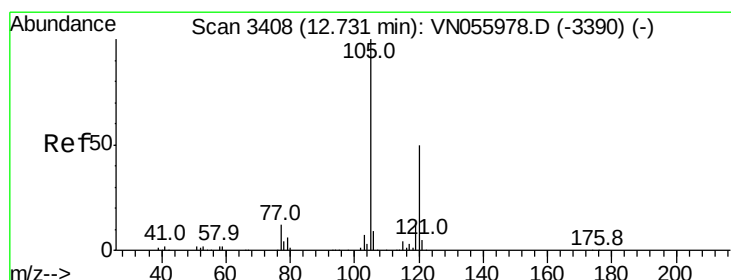
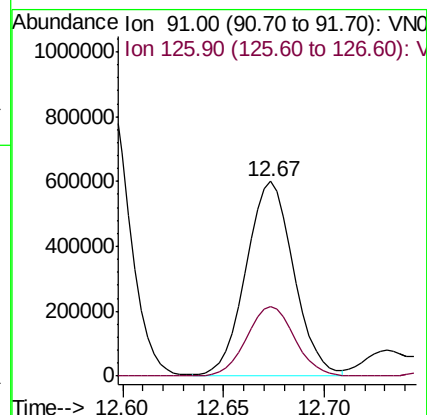
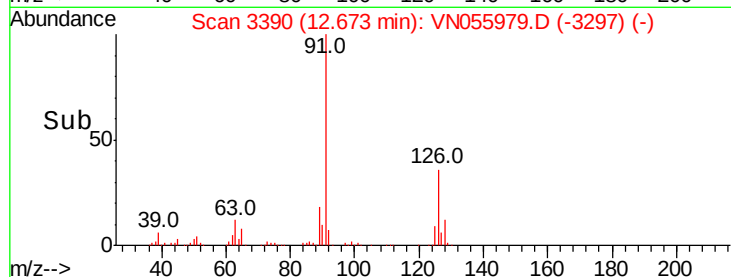
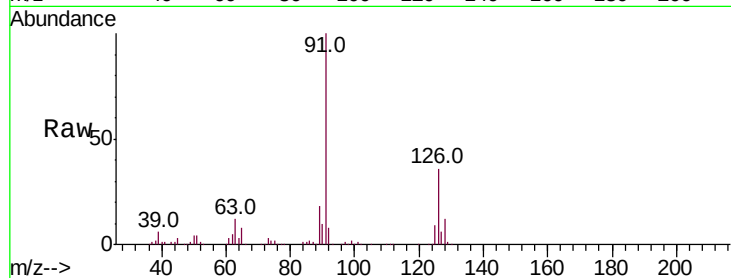
126 36.5 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 81.775 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055979.D

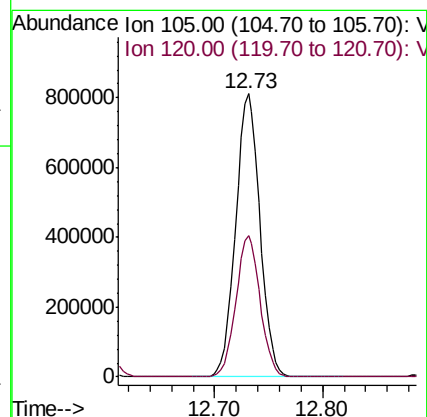
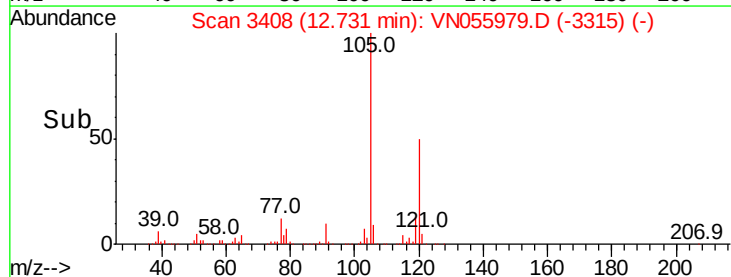
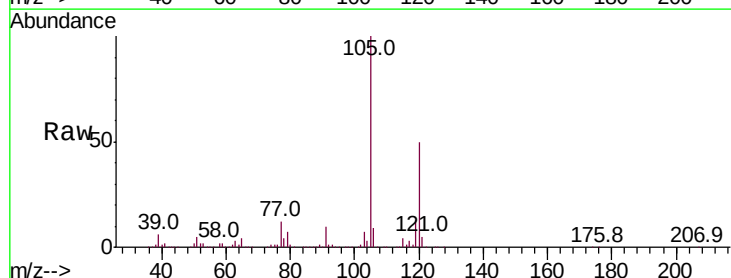
Acq: 4 Jun 2019 10:02

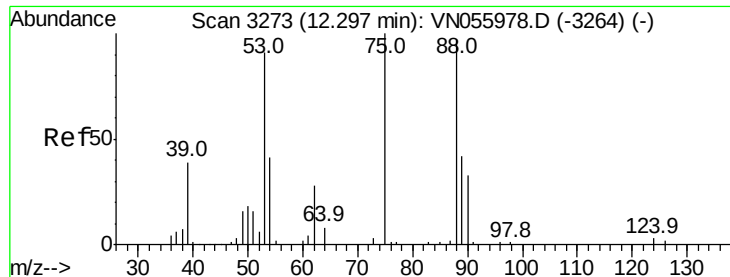
Tgt Ion: 105 Resp: 1271646

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 118.064 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 131350

Ion Ratio Lower Upper

75 100

53 88.1 68.1 102.1

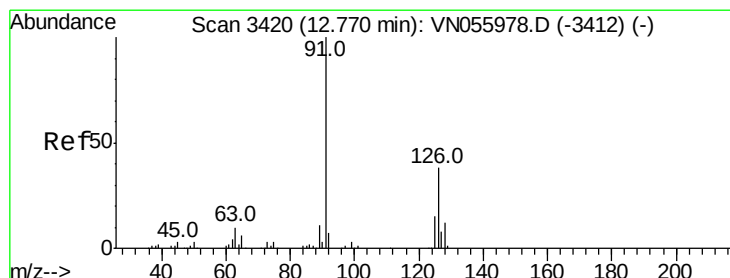
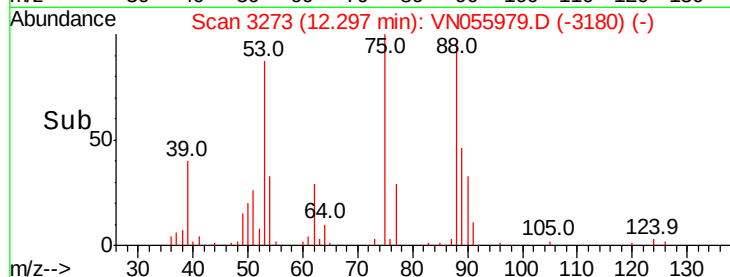
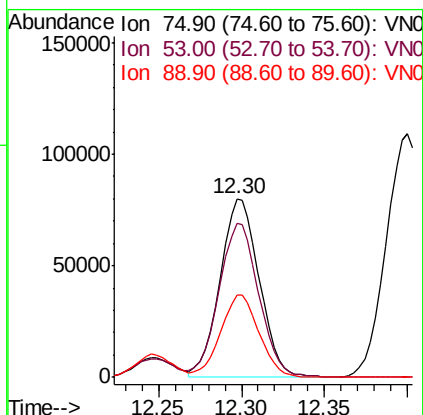
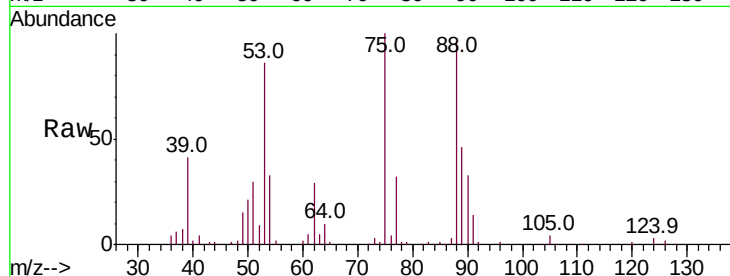
89 45.5 36.9 55.3

Manual Integrations

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#82

4-Chlorotoluene

Concen: 90.046 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN055979.D

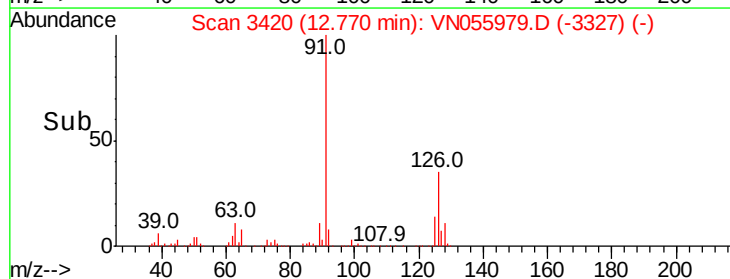
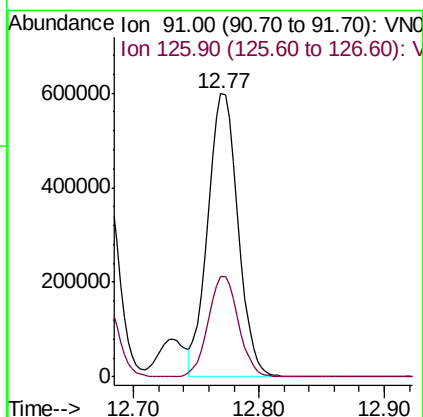
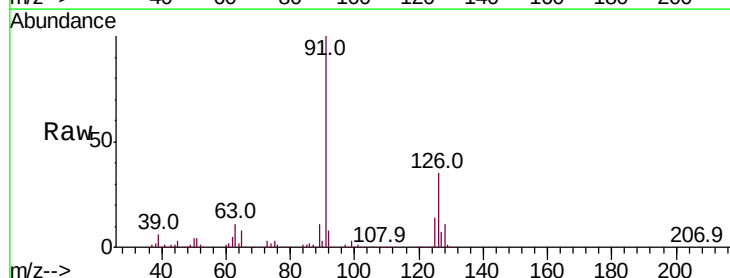
Acq: 4 Jun 2019 10:02

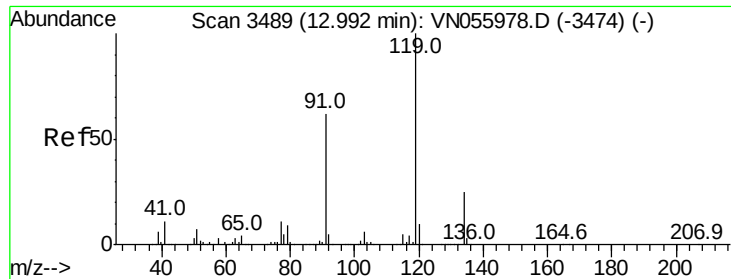
Tgt Ion: 91 Resp: 1001226

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.3





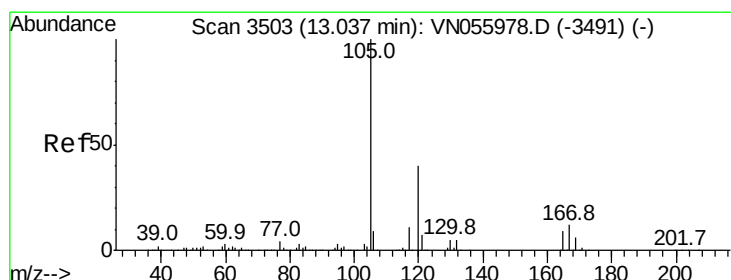
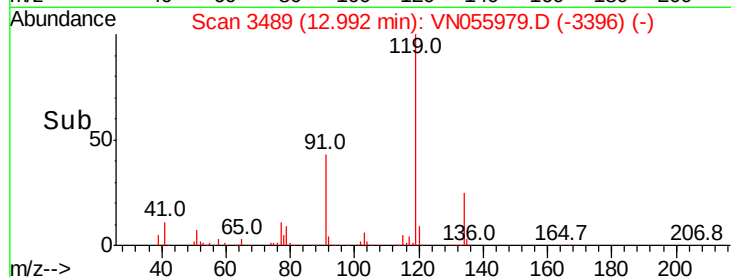
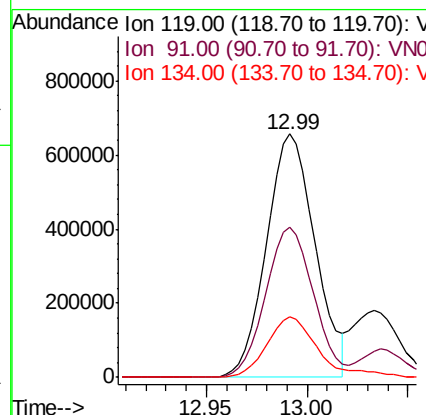
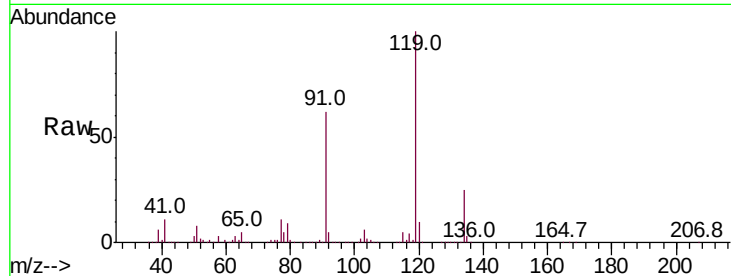
#83
 tert-Butylbenzene
 Concen: 78.403 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.9	92.8
134	26.2	13.3	39.8

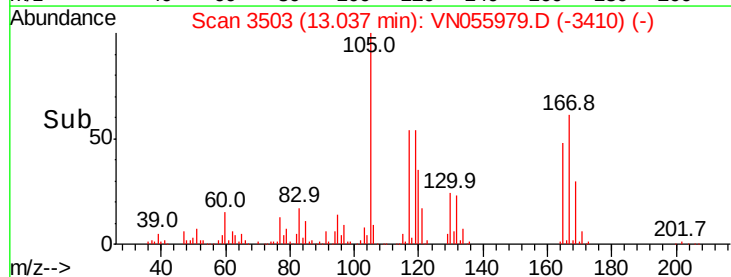
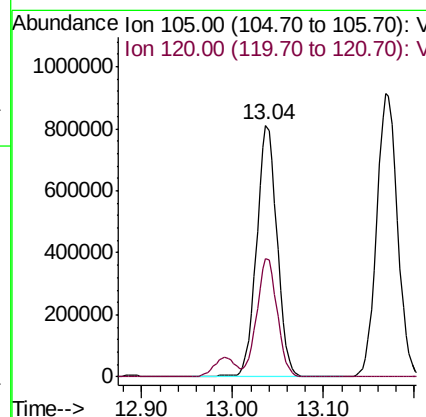
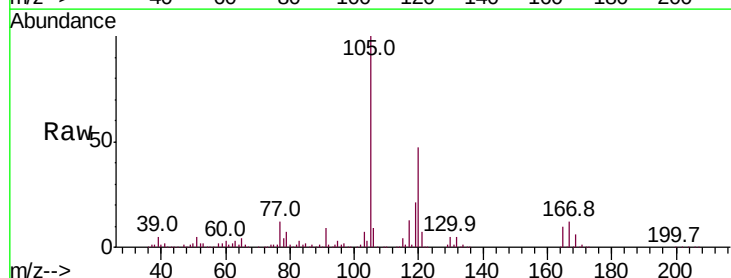
Manual Integrations
 APPROVED

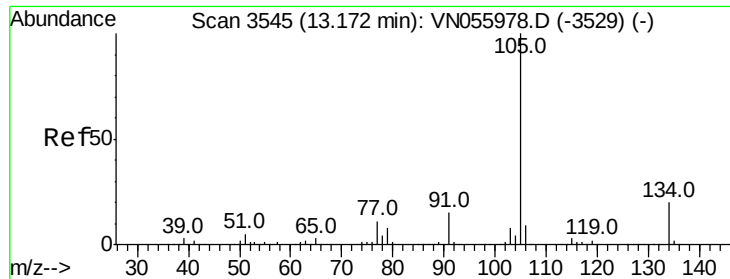
MMDadoda
 6/5/2019 4:03:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 87.623 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 83.888 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1443414

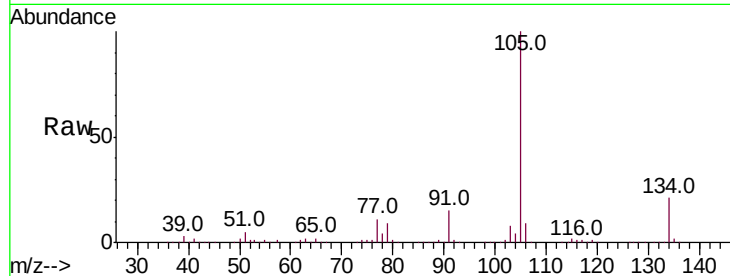
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

400000

200000

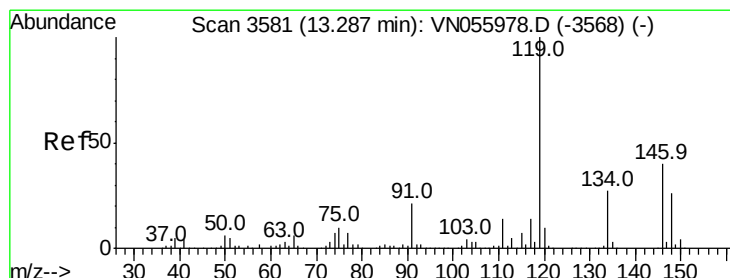
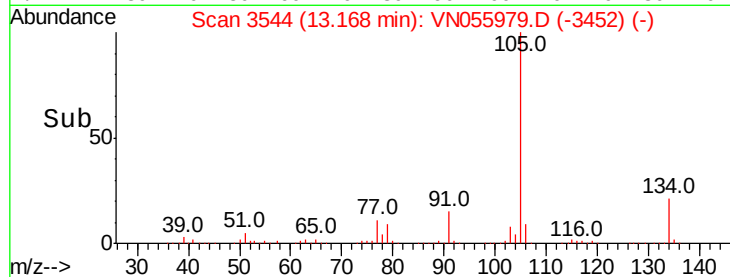
0

13.10

13.17

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 88.748 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

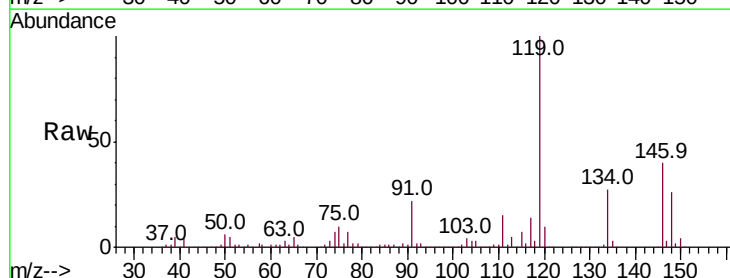
Tgt Ion:119 Resp: 1342093

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.5 10.9 32.9



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

1200000

1000000

800000

600000

400000

200000

0

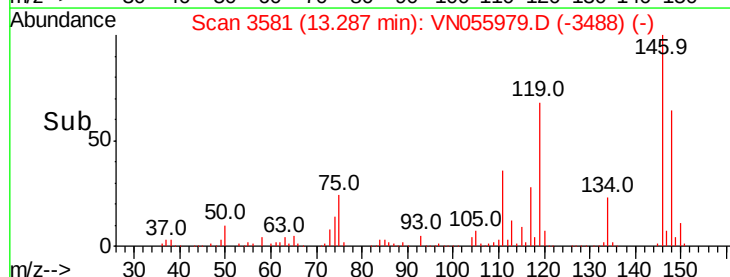
13.20

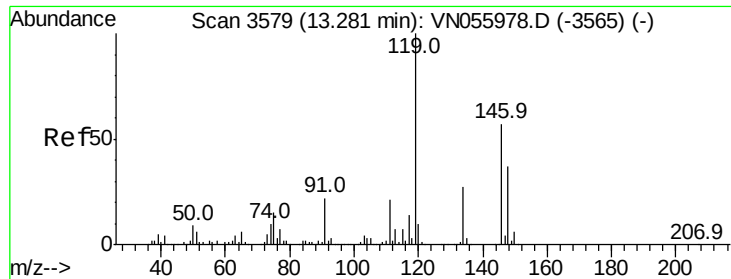
13.25

13.29

13.35

Time-->





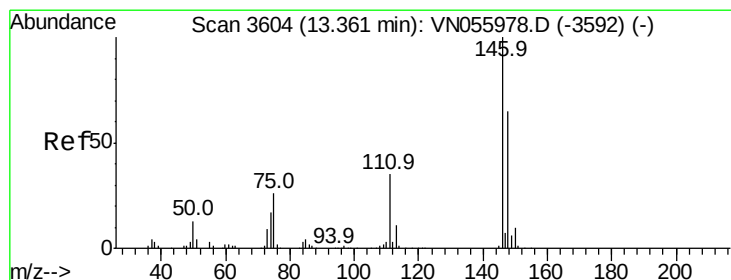
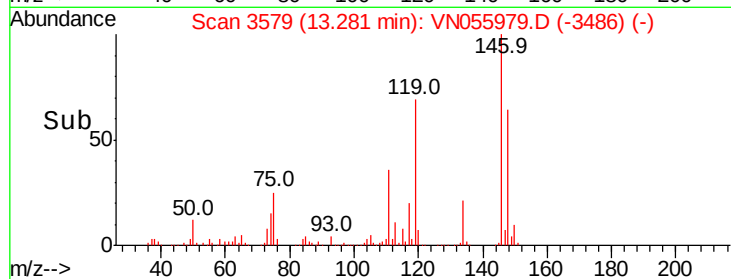
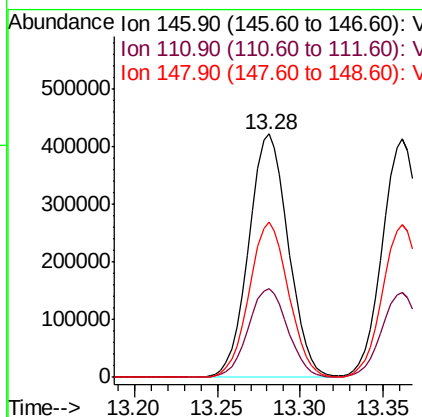
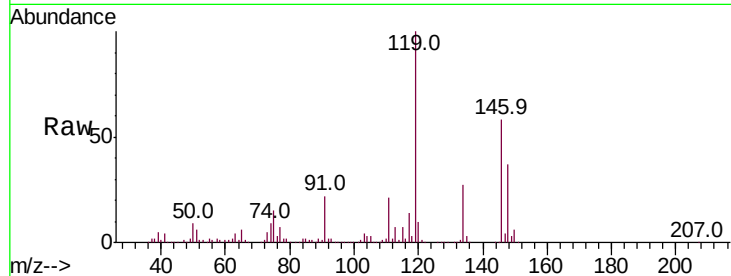
#87
 1,3-Dichlorobenzene
 Concen: 95.772 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.5	55.5
148	63.6	32.0	96.2

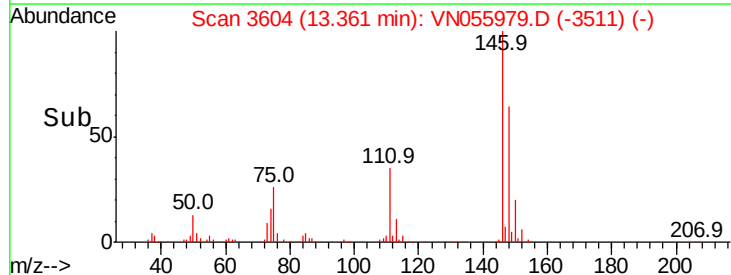
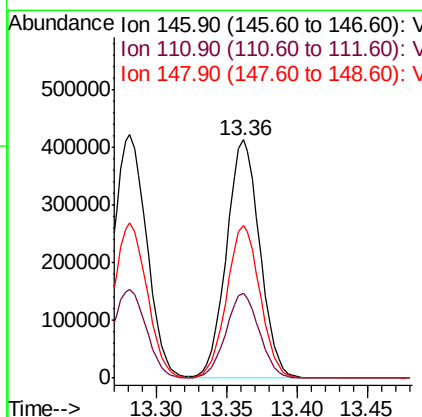
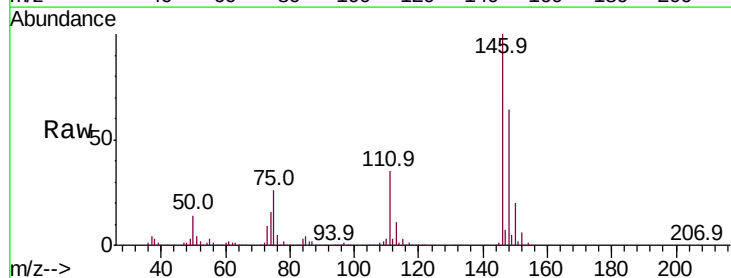
Manual Integrations
 APPROVED

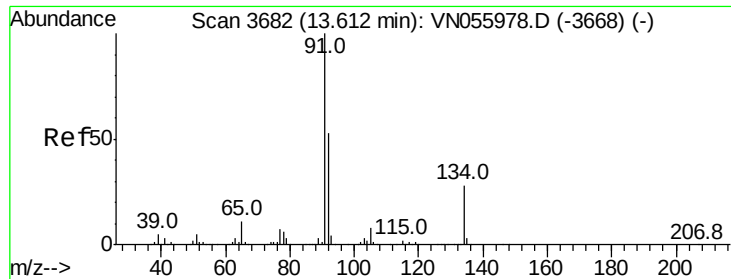
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 97.694 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.4
148	64.4	32.1	96.5





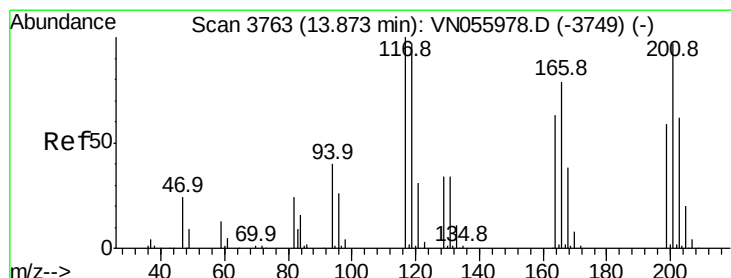
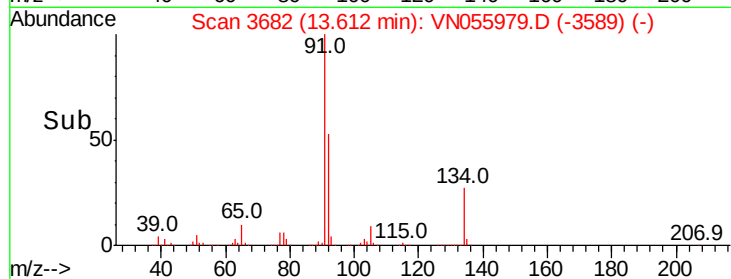
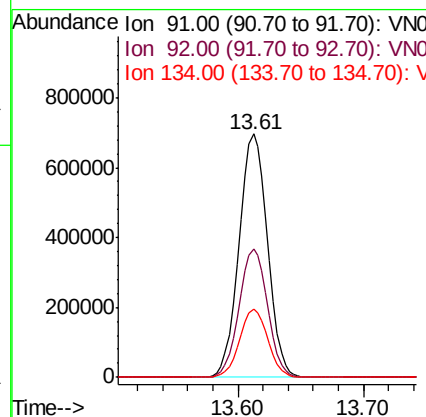
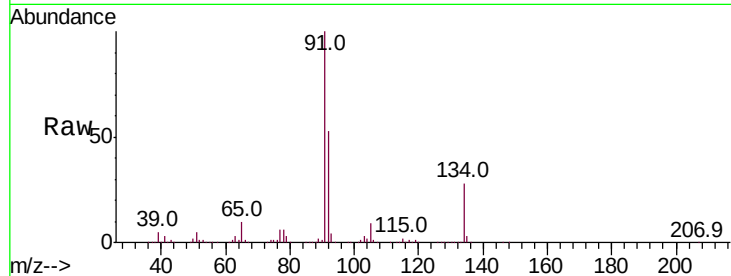
#89
n-Butylbenzene
Concen: 102.915 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.7	13.9	41.7

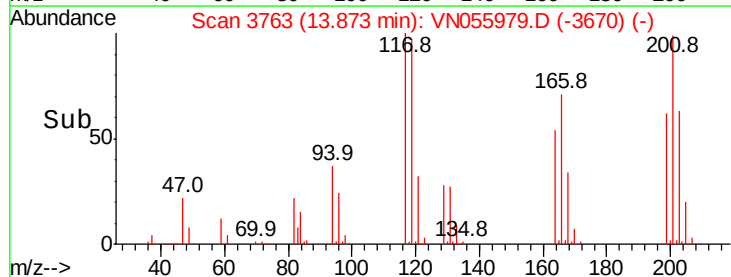
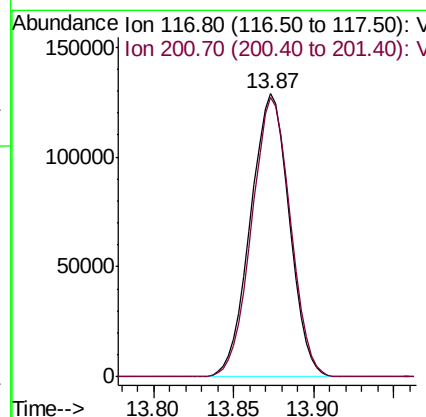
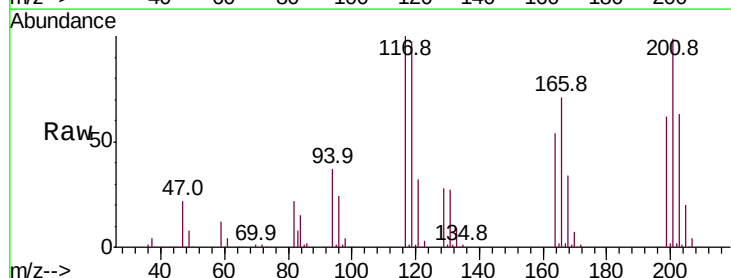
Manual Integrations
APPROVED

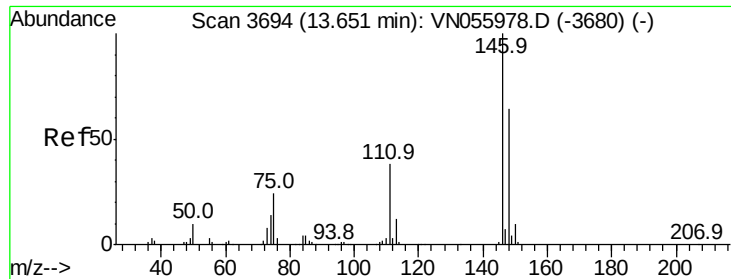
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#90
Hexachloroethane
Concen: 97.016 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055979.D
Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	50.0	150.0





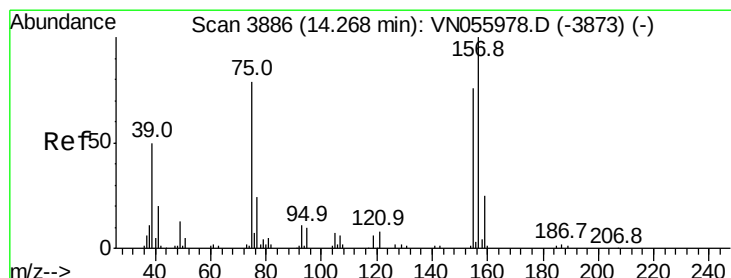
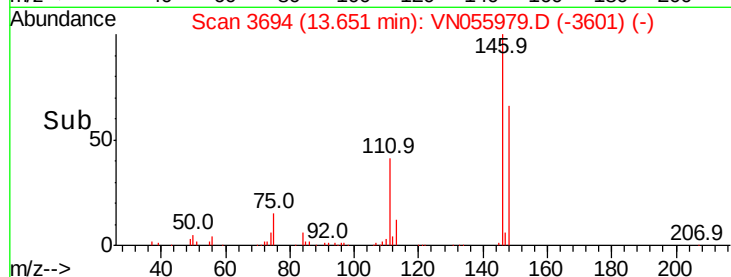
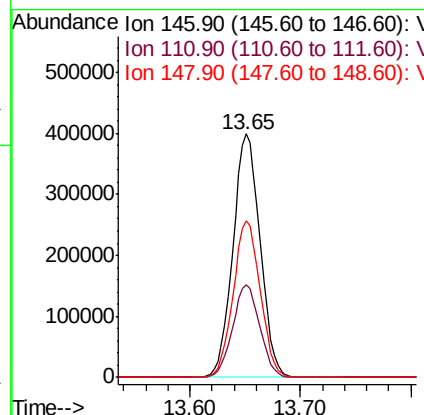
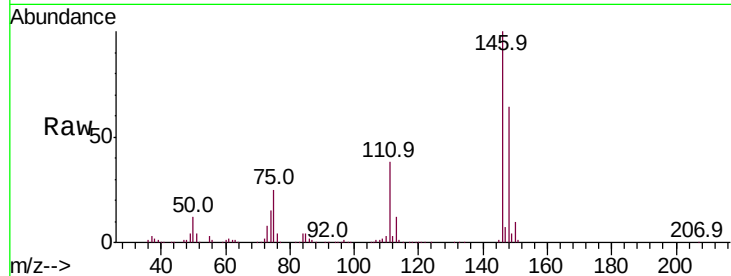
#91
 1,2-Dichlorobenzene
 Concen: 90.492 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	64.1	31.9	95.9

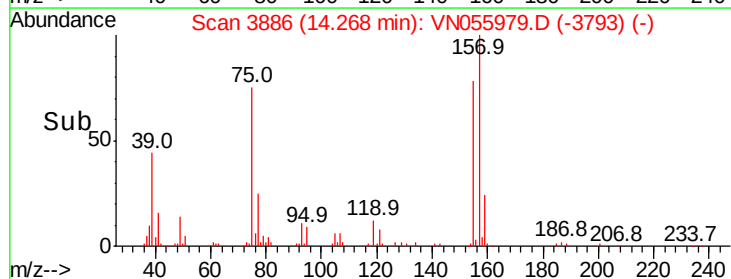
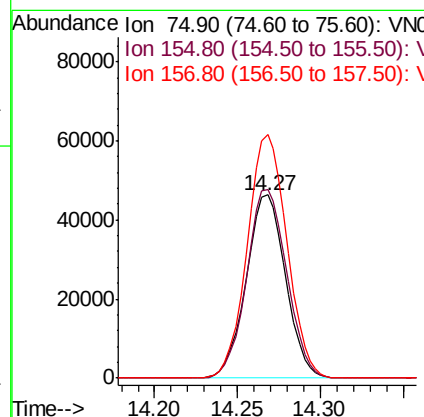
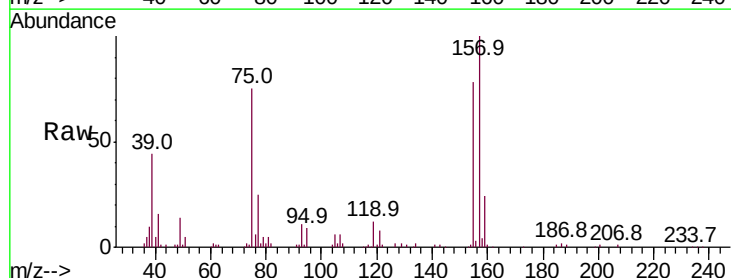
Manual Integrations
 APPROVED

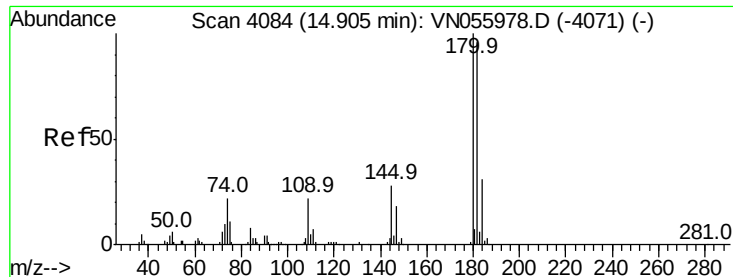
MMDadoda
 6/5/2019 4:03:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 110.643 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	50.0	150.1
157	134.0	64.8	194.3





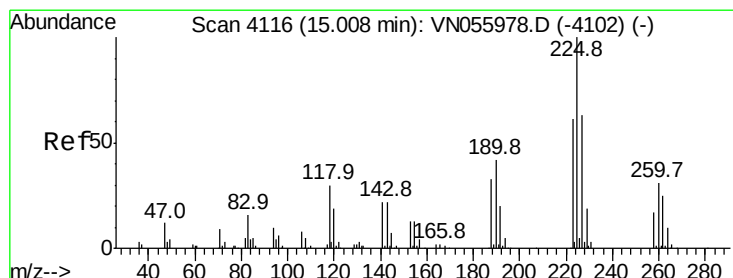
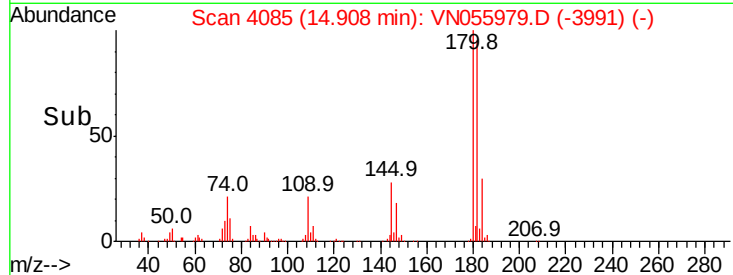
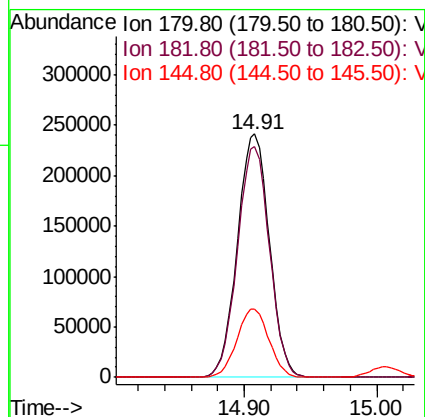
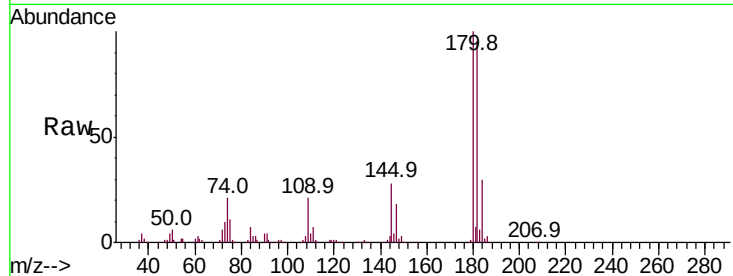
#93
 1,2,4-Trichlorobenzene
 Concen: 139.704 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	48.3	144.9	
145	28.0	14.0	41.9	

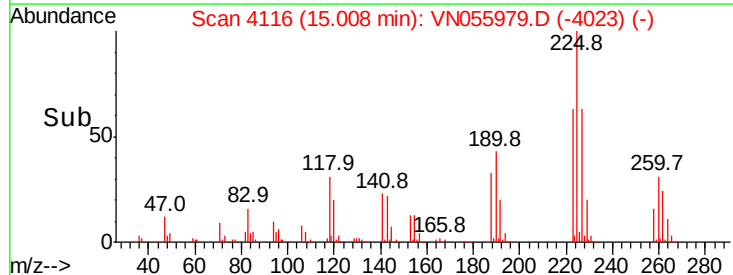
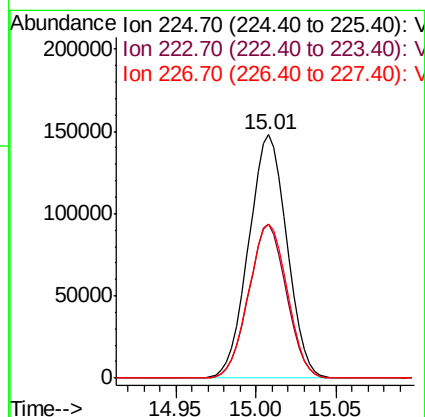
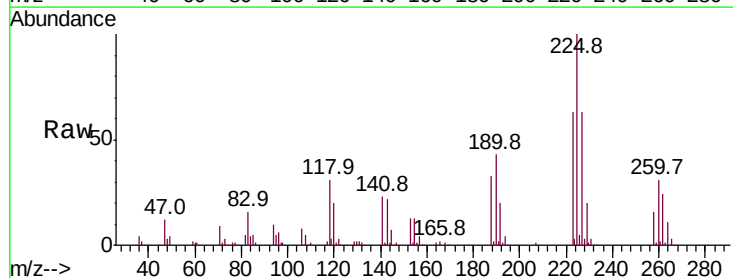
Manual Integrations
 APPROVED

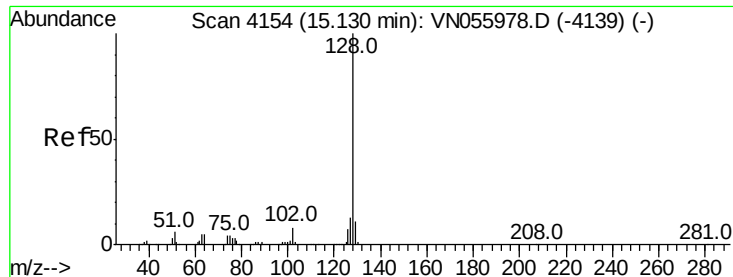
MMDadoda
 6/5/2019 4:03:40 PM



#94
 Hexachlorobutadiene
 Concen: 79.965 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055979.D
 Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	30.9	92.7	
227	63.9	31.6	94.7	





#95

Naphthalene

Concen: 139.875 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Instrument :

MSVOA_N

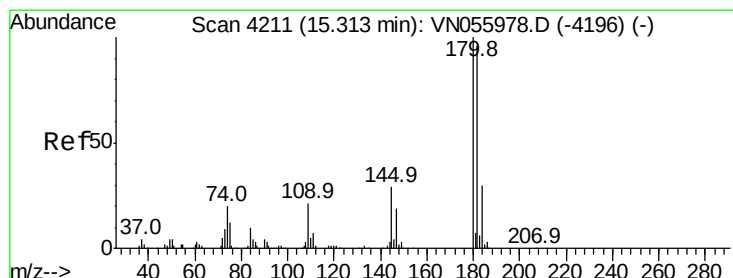
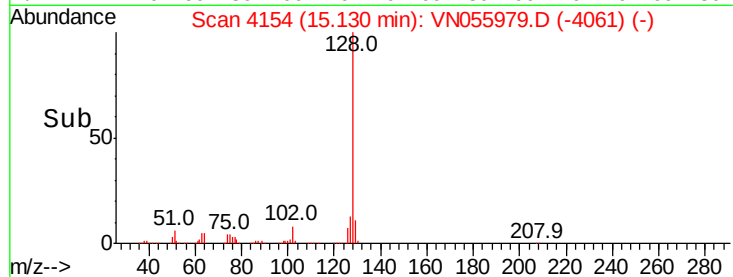
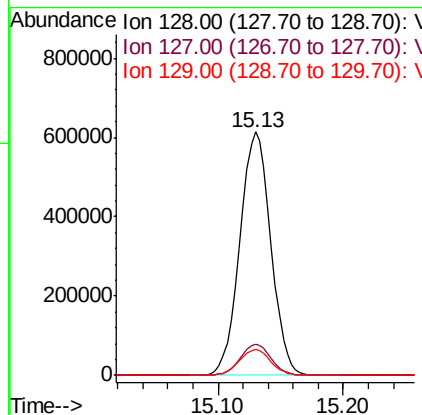
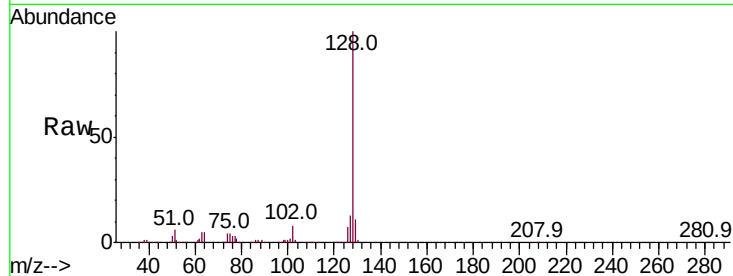
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:03:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 126.135 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055979.D

Acq: 4 Jun 2019 10:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	29.8	14.9	44.7

