

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055474.D
 Acq On : 8 May 2019 7:26
 Operator : JC/SP
 Sample : K2717-11MSD
 Misc : 4.34g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:52 AM

Quant Time: May 08 08:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	536278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	826619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	719306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	320336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	308116	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
35) Dibromofluoromethane	7.59	113	237241	43.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.46%	
50) Toluene-d8	10.09	98	851144	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
62) 4-Bromofluorobenzene	12.40	95	303693	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	282722	43.029	ug/l	99
3) Chloromethane	2.06	50	295158	36.278	ug/l	100
4) Vinyl Chloride	2.19	62	263362	40.157	ug/l	100
5) Bromomethane	2.53	94	124773	35.917	ug/l	98
6) Chloroethane	2.66	64	147591	41.542	ug/l	98
7) Trichlorofluoromethane	3.00	101	400196	42.913	ug/l	96
8) Diethyl Ether	3.41	74	173035	53.034	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	273635	49.274	ug/l	99
10) Methyl Iodide	3.95	142	322258	41.234	ug/l	98
11) Tert butyl alcohol	4.85	59	125610	312.719	ug/l	95
12) 1,1-Dichloroethene	3.73	96	242584	45.792	ug/l	96
13) Acrolein	3.61	56	74085	236.173	ug/l	98
14) Allyl chloride	4.32	41	499532	45.529	ug/l	99
15) Acrylonitrile	4.99	53	614765	272.292	ug/l	100
16) Acetone	3.82	43	488748	223.580	ug/l	98
17) Carbon Disulfide	4.05	76	473000	34.213	ug/l	98
18) Methyl Acetate	4.33	43	373139	70.495	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	859113	57.687	ug/l	99
20) Methylene Chloride	4.55	84	291838	43.738	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	248284	44.254	ug/l	97
22) Diisopropyl ether	5.95	45	1227775	56.321	ug/l	99
23) Vinyl Acetate	5.90	43	3938505	275.661	ug/l	100
24) 1,1-Dichloroethane	5.85	63	579911	49.927	ug/l	100
25) 2-Butanone	6.84	43	778717	278.549	ug/l	99
26) 2,2-Dichloropropane	6.82	77	230876	28.785	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	312209	48.934	ug/l	99
28) Bromochloromethane	7.19	49	217627	37.171	ug/l	96
29) Tetrahydrofuran	7.22	42	519580	290.249	ug/l	99
30) Chloroform	7.37	83	555915	50.489	ug/l	99
31) Cyclohexane	7.65	56	503130	45.592	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	448599	50.200	ug/l	99
36) 1,1-Dichloropropene	7.79	75	395537	49.956	ug/l	99
37) Ethyl Acetate	6.93	43	333772	55.003	ug/l	99
38) Carbon Tetrachloride	7.77	117	368021	48.184	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	451854	53.675	ug/l	98
40) Benzene	8.04	78	1177116	50.431	ug/l	100
41) Methacrylonitrile	7.18	41	181702	55.247	ug/l	94
42) 1,2-Dichloroethane	8.13	62	438941	53.096	ug/l	99
43) Isopropyl Acetate	8.17	43	612480	62.805	ug/l	98
44) Trichloroethene	8.84	130	296442	49.820	ug/l	99
45) 1,2-Dichloropropane	9.12	63	355510	52.810	ug/l	99
46) Dibromomethane	9.21	93	190067	51.653	ug/l	98
47) Bromodichloromethane	9.40	83	418211	52.978	ug/l	98
48) Methyl methacrylate	9.20	41	290185	60.529	ug/l	99
49) 1,4-Dioxane	9.21	88	60685	1224.509	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1662631	302.816	ug/l	99
52) Toluene	10.16	92	699378	52.222	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	368872	53.827	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	443596	51.918	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	268927	54.076	ug/l	99
56) Ethyl methacrylate	10.43	69	375410	61.330	ug/l	97
57) 1,3-Dichloropropane	10.71	76	483673	55.440	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	555910	290.517	ug/l	99
59) 2-Hexanone	10.75	43	1064144	309.761	ug/l	98
60) Dibromochloromethane	10.90	129	280197	55.127	ug/l	99
61) 1,2-Dibromoethane	11.01	107	253363	55.119	ug/l	98
64) Tetrachloroethene	10.63	164	322240	54.781	ug/l	99
65) Chlorobenzene	11.43	112	723705	51.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	278224	50.524	ug/l	99
67) Ethyl Benzene	11.51	91	1373212	54.073	ug/l	99
68) m/p-Xylenes	11.62	106	984053	108.557	ug/l	99
69) o-Xylene	11.95	106	485718	54.060	ug/l	99
70) Styrene	11.96	104	812830	58.921	ug/l	99
71) Bromoform	12.13	173	173522	56.787	ug/l #	99
73) Isopropylbenzene	12.25	105	1350809	53.198	ug/l	100
74) N-amyl acetate	12.07	43	494771	60.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	335766	53.099	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	282220m	47.260	ug/l	
77) Bromobenzene	12.53	156	312850	51.252	ug/l	98
78) n-propylbenzene	12.59	91	1548613	47.063	ug/l	100
79) 2-Chlorotoluene	12.67	91	907071	52.375	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1148542	45.734	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	67499	39.932	ug/l	94
82) 4-Chlorotoluene	12.77	91	904903	47.297	ug/l	98
83) tert-Butylbenzene	12.99	119	988829	55.976	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1115395	49.661	ug/l	100
85) sec-Butylbenzene	13.17	105	1327193	48.623	ug/l	100
86) p-Isopropyltoluene	13.29	119	1159202	51.670	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	548625	51.181	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	528814	52.386	ug/l	100
89) n-Butylbenzene	13.61	91	989221	62.052	ug/l	100
90) Hexachloroethane	13.87	117	179141	50.444	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	544671	51.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51049	60.574	ug/l	95

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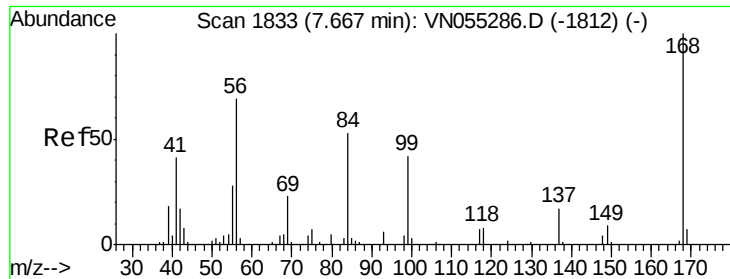
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	230788	54.764	ug/l	97
94) Hexachlorobutadiene	15.01	225	192404	60.789	ug/l	97
95) Naphthalene	15.13	128	474858	53.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	227019	54.775	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:168 Resp: 536278

Ion Ratio Lower Upper

168 100

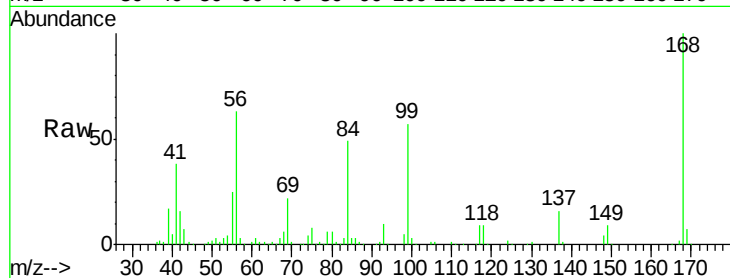
99 57.1 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

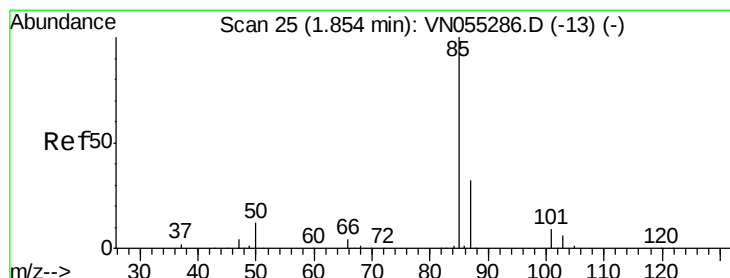
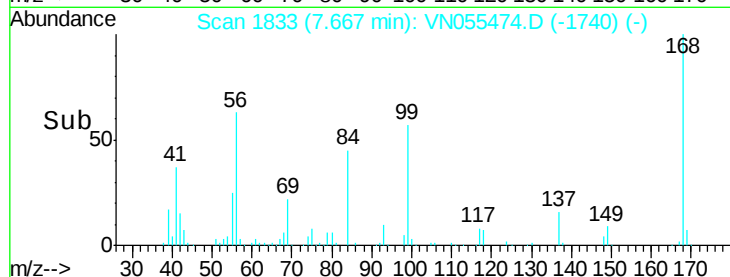
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.029 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055474.D

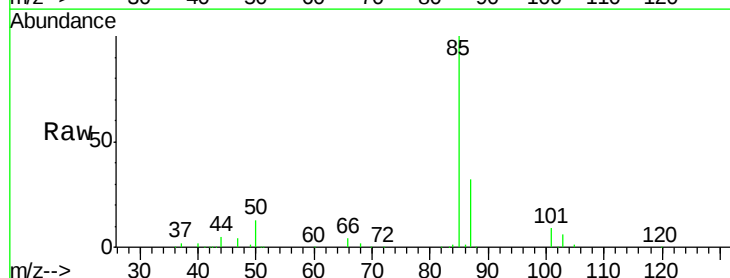
Acq: 8 May 2019 7:26

Tgt Ion: 85 Resp: 282722

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

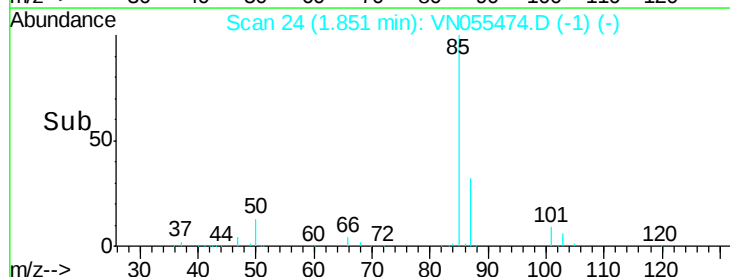
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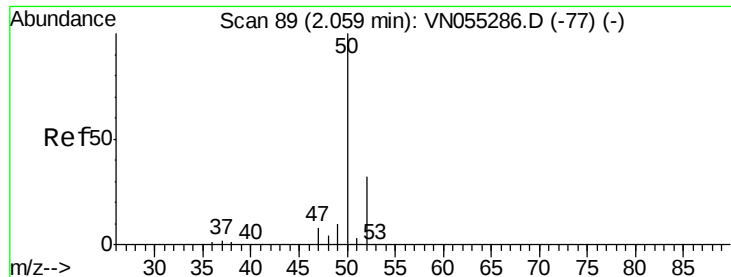
100000

50000

0

Time-->





#3

Chloromethane

Concen: 36.278 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 50 Resp: 295158

Ion Ratio Lower Upper

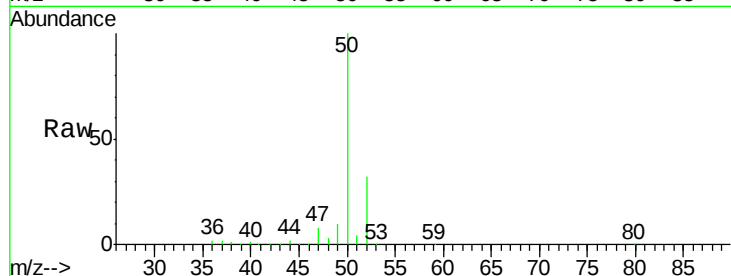
50 100

52 32.4 25.7 38.5

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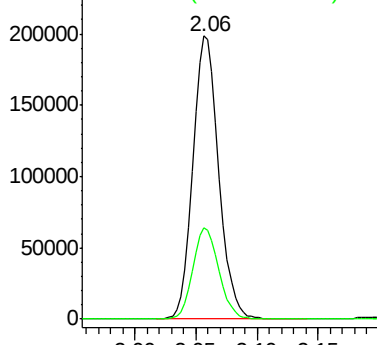
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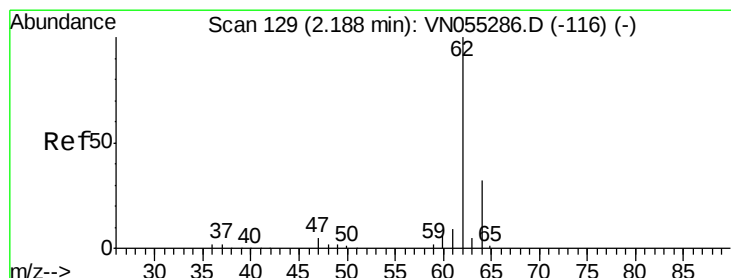
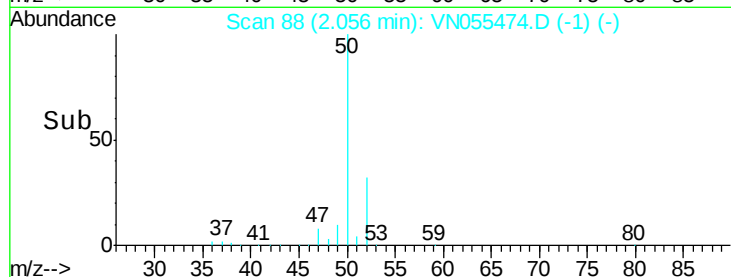


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 40.157 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055474.D

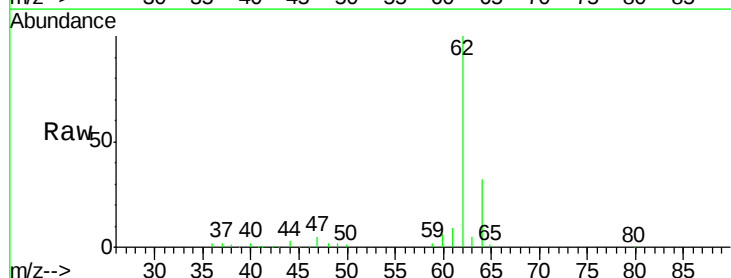
Acq: 8 May 2019 7:26

Tgt Ion: 62 Resp: 263362

Ion Ratio Lower Upper

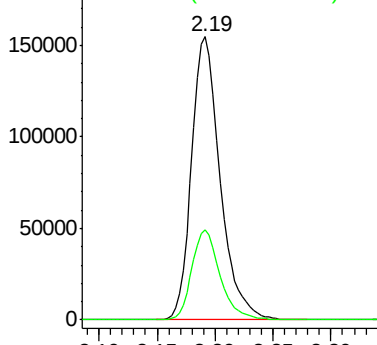
62 100

64 31.7 25.5 38.3

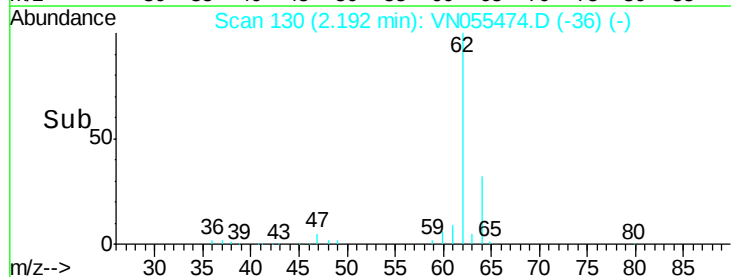


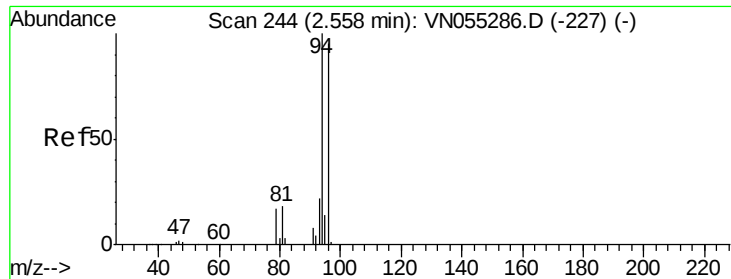
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 35.917 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.03 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

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Tot Ion: 94 Resp: 124773

Ion Ratio Lower Upper

94 100

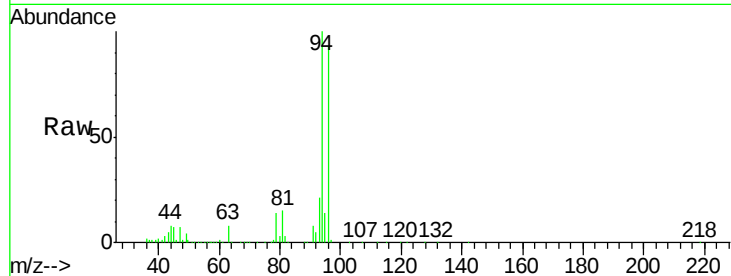
96 92.6 76.0 114.0

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.53

100000

80000

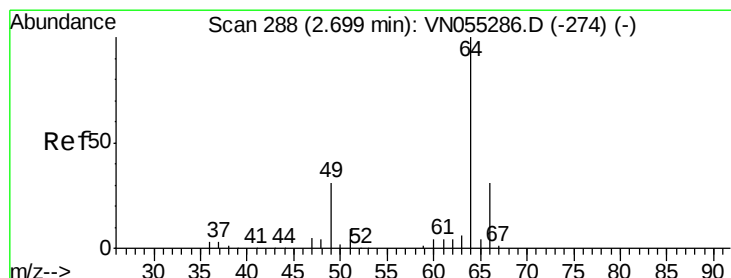
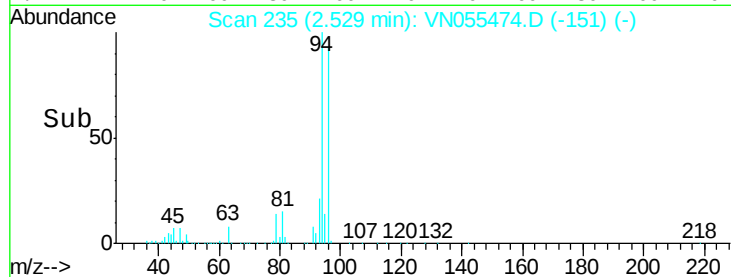
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 41.542 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.04 min

Lab File: VN055474.D

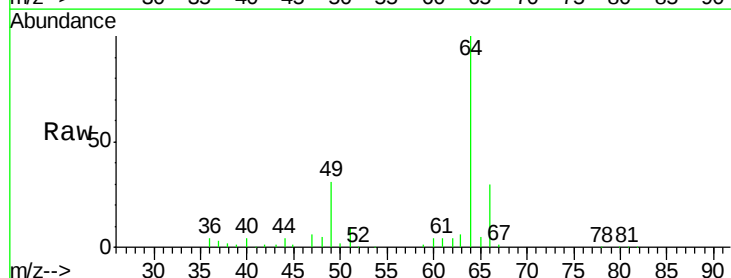
Acq: 8 May 2019 7:26

Tgt Ion: 64 Resp: 147591

Ion Ratio Lower Upper

64 100

66 30.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.66

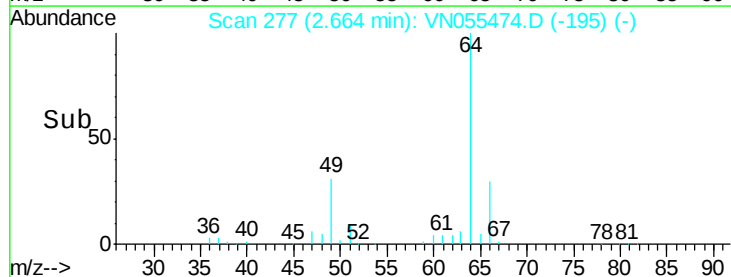
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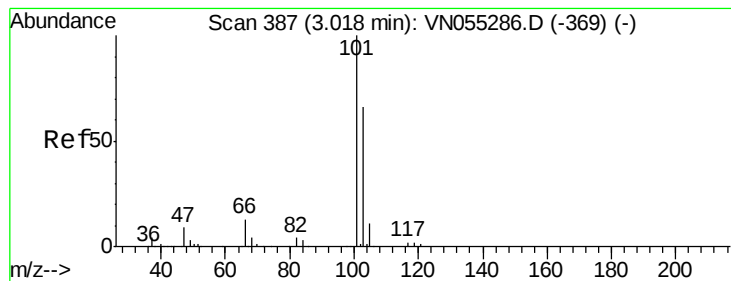
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20000

0

Time--> 2.60 2.70 2.80





#7

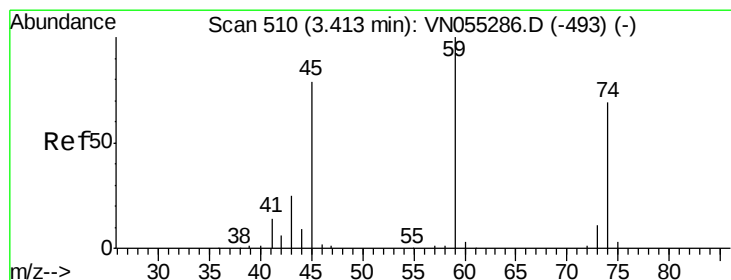
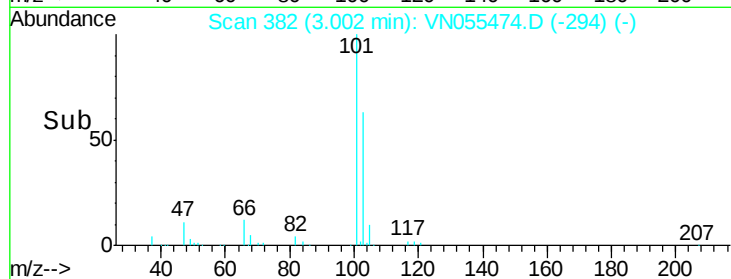
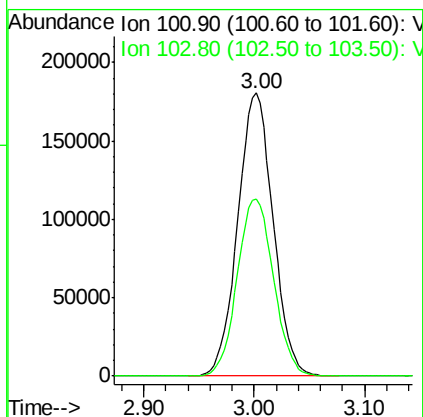
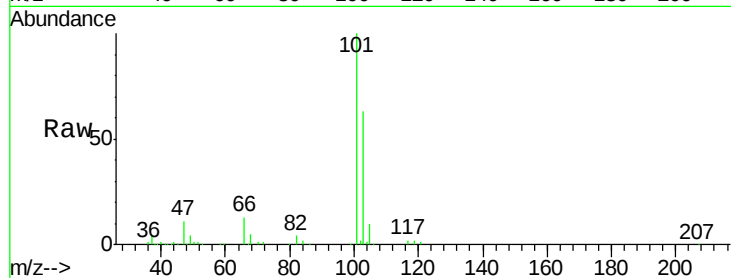
Trichlorofluoromethane
 Concen: 42.913 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.02 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	400196		
103	62.7	52.6	79.0	

Manual Integrations
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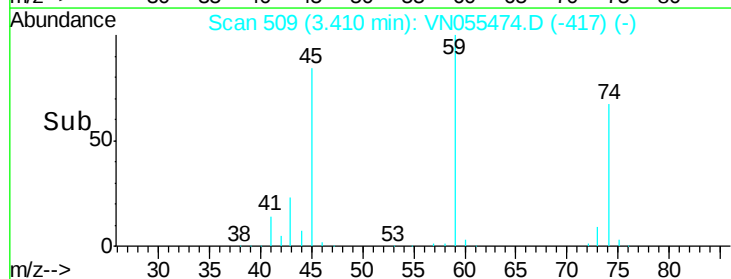
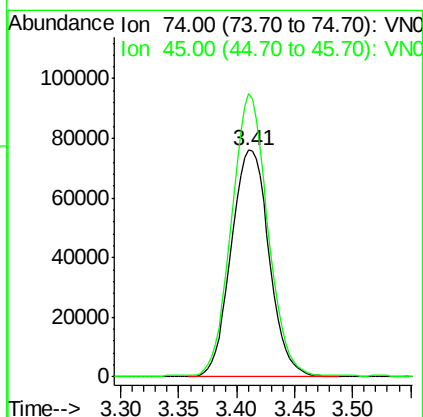
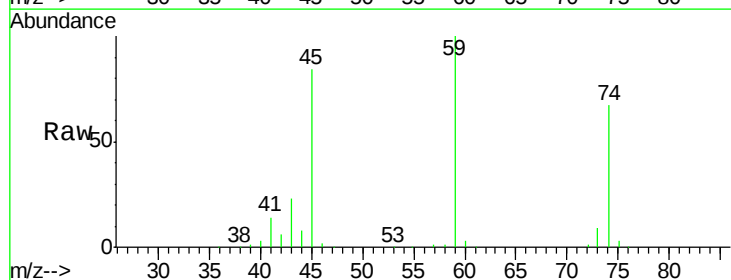
MMDadoda
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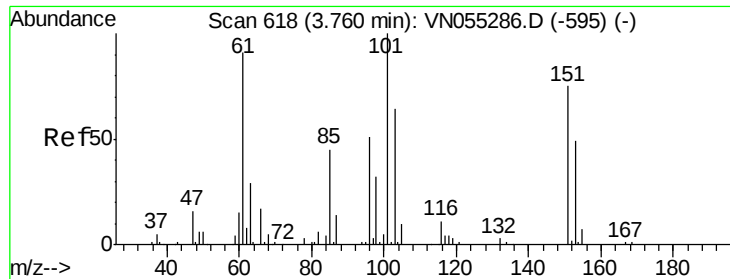


#8

Diethyl Ether
 Concen: 53.034 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	173035		
45	118.3	58.9	176.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.274 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

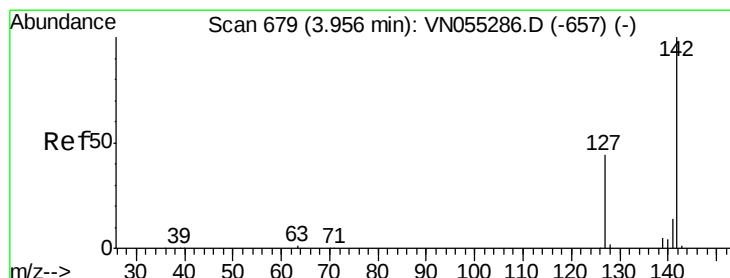
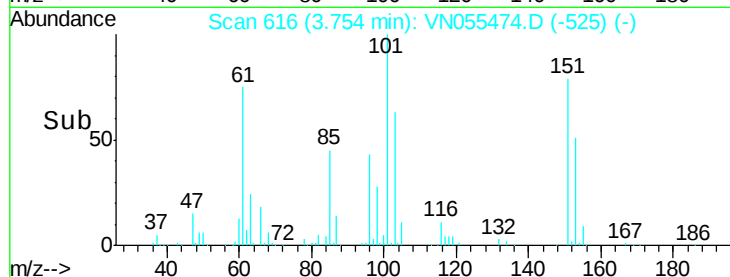
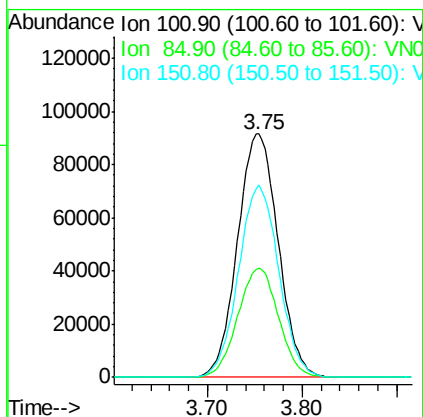
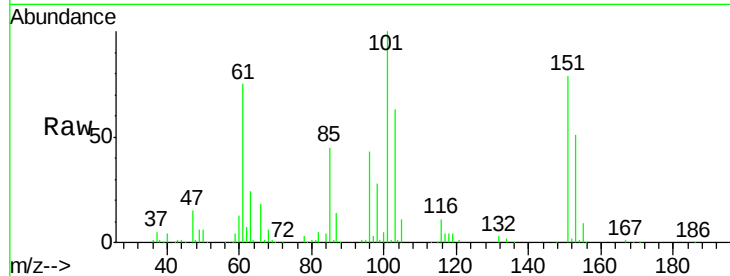
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	101	Resp:	273635
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.7	53.5
151	78.2	63.3	94.9

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#10

Methyl Iodide

Concen: 41.234 ug/l

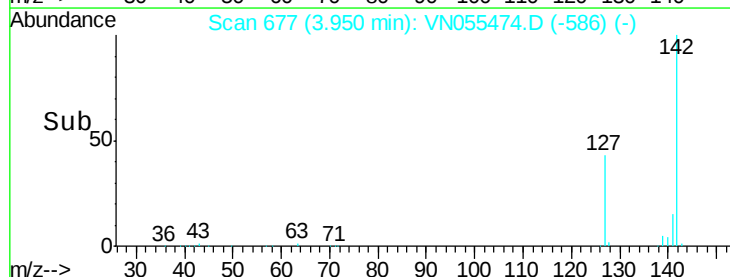
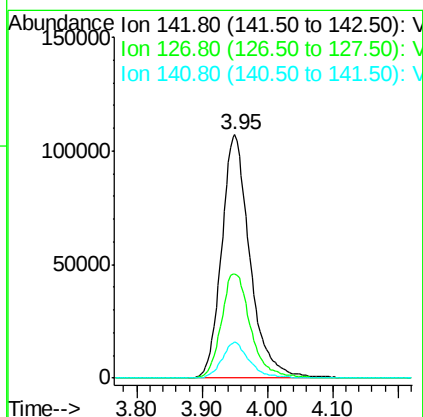
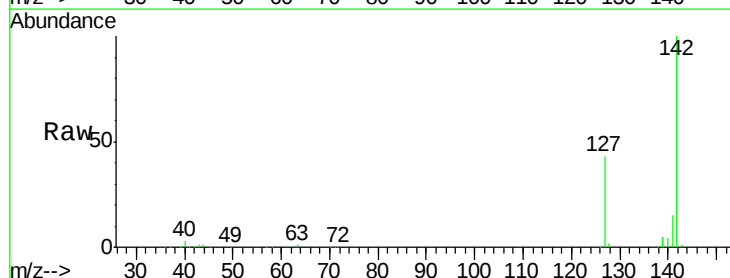
RT: 3.95 min Scan# 677

Delta R.T. -0.01 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion:	142	Resp:	322258
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.4	51.6
141	14.3	11.5	17.3





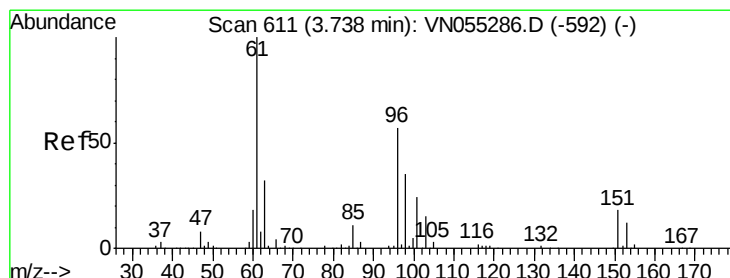
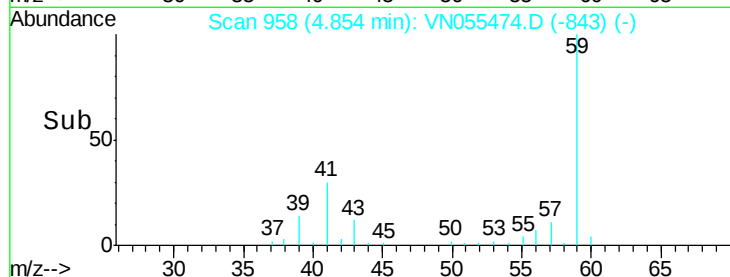
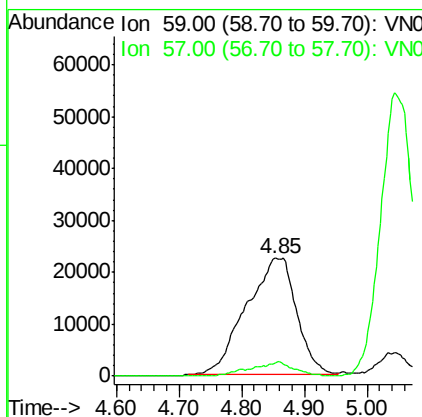
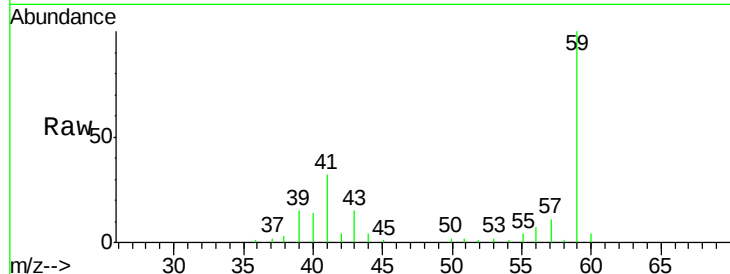
#11
Tert butyl alcohol
Concen: 312.719 ug/l
RT: 4.85 min Scan# 958
Delta R.T. 0.07 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	8.2	12.2

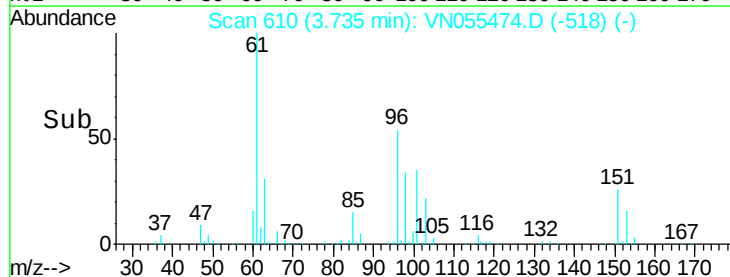
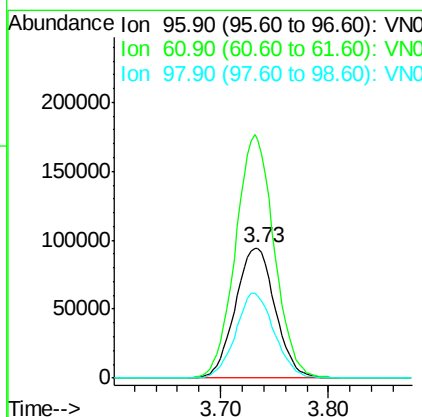
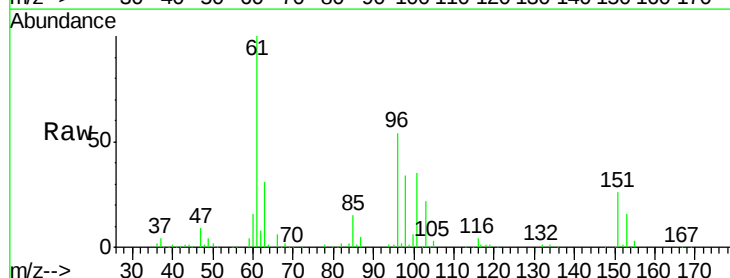
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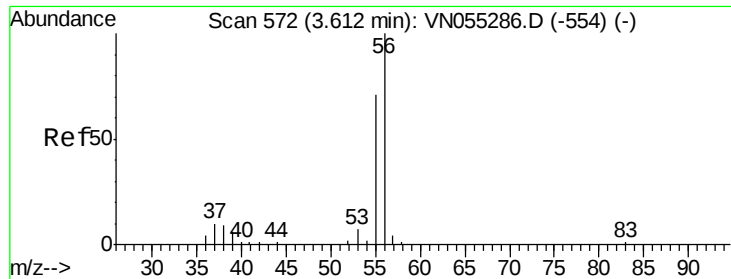
MMDadoda
5/8/2019 10:16:52 AM



#12
1,1-Dichloroethene
Concen: 45.792 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.2	140.9	211.3
98	63.3	50.0	75.0





#13

Acrolein

Concen: 236.173 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 56 Resp: 74085

Ion Ratio Lower Upper

56 100

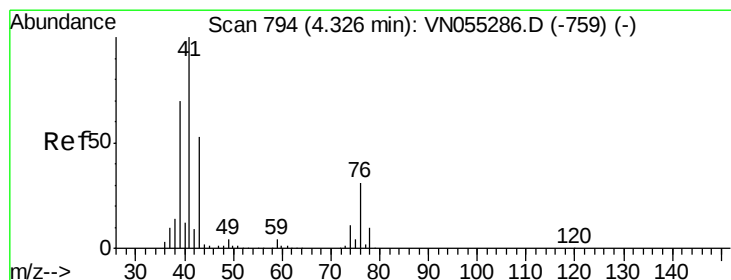
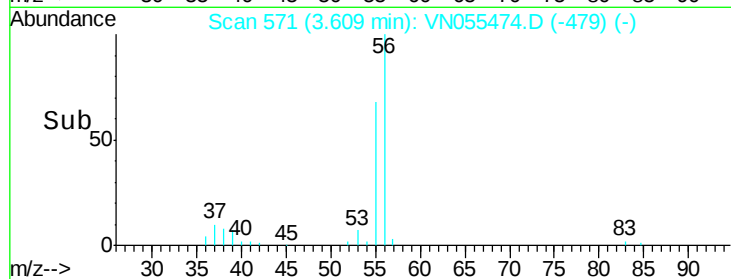
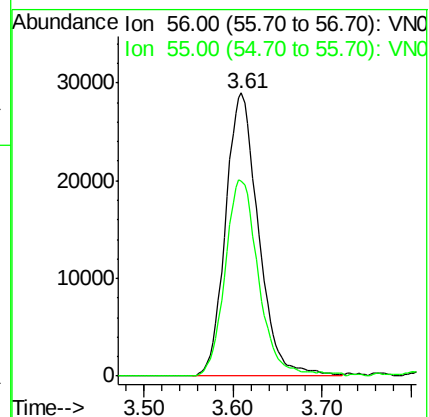
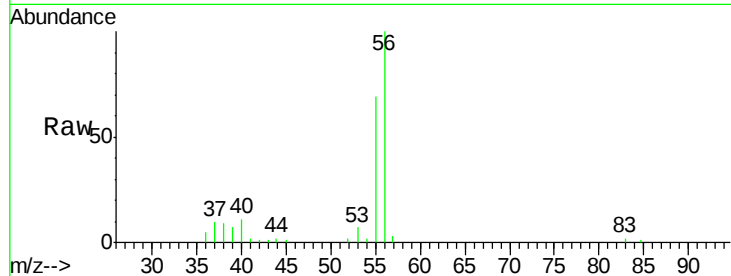
55 70.5 57.4 86.2

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 45.529 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

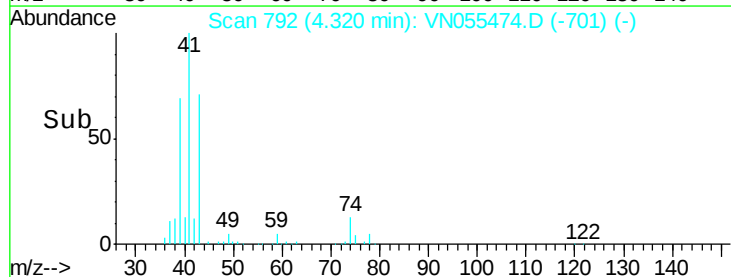
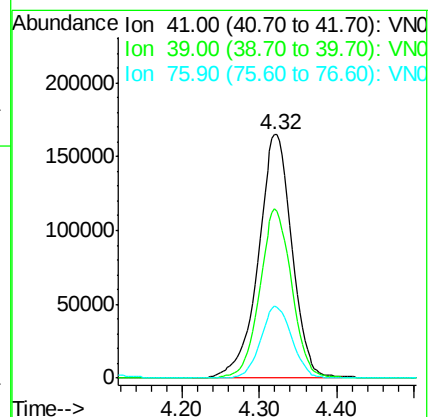
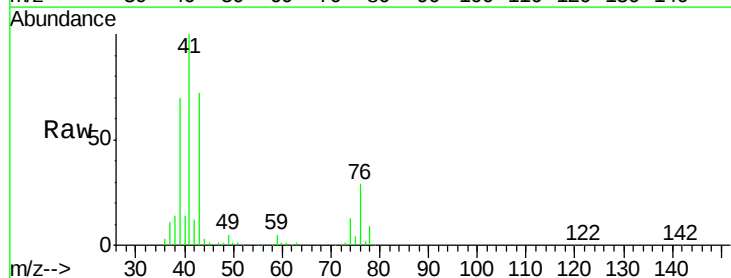
Tgt Ion: 41 Resp: 499532

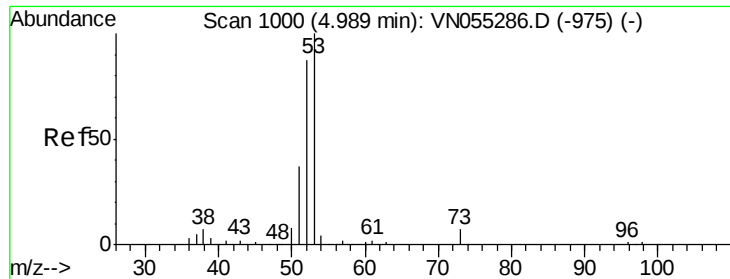
Ion Ratio Lower Upper

41 100

39 66.1 53.0 79.6

76 27.5 22.7 34.1





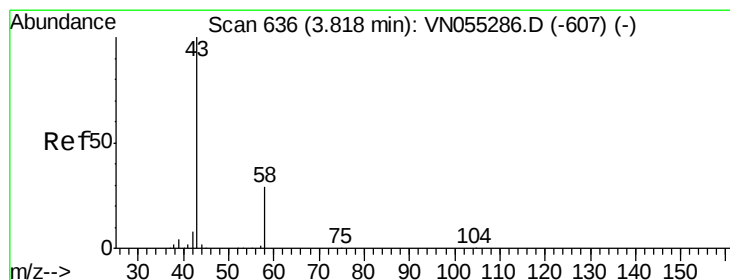
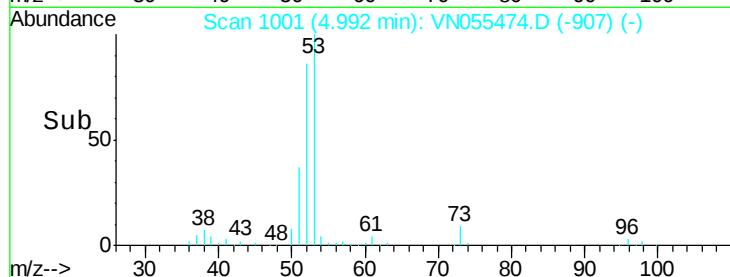
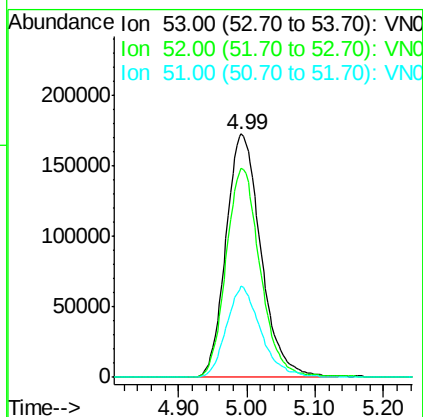
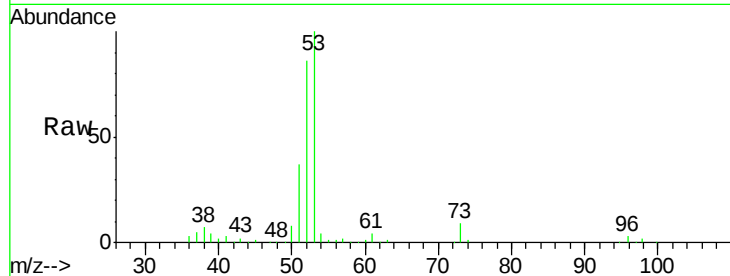
#15
 Acrylonitrile
 Concen: 272.292 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	53	Ratio	Lower	Upper
53	100			
52	83.1	66.5	99.7	
51	36.8	29.6	44.4	

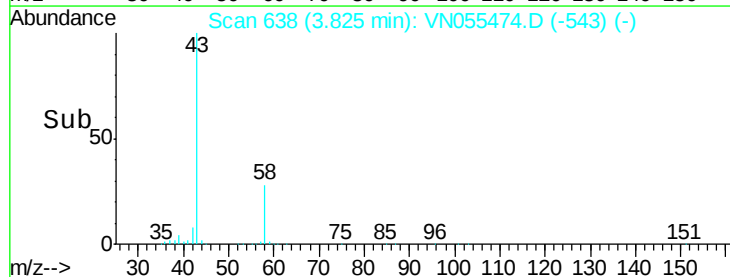
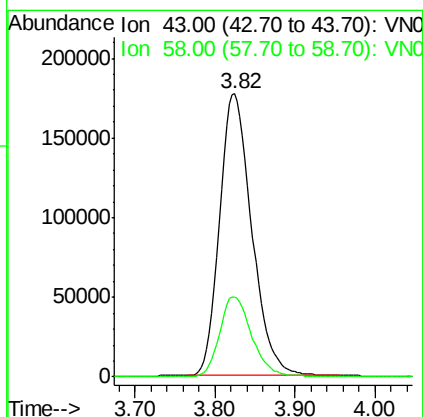
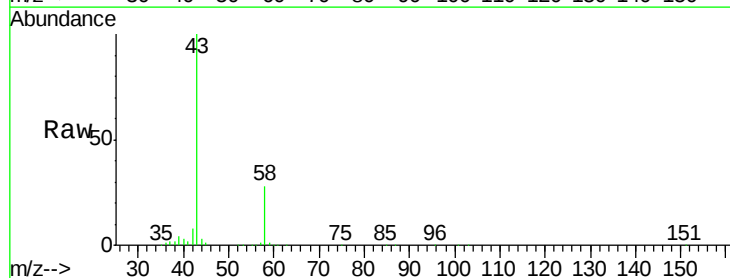
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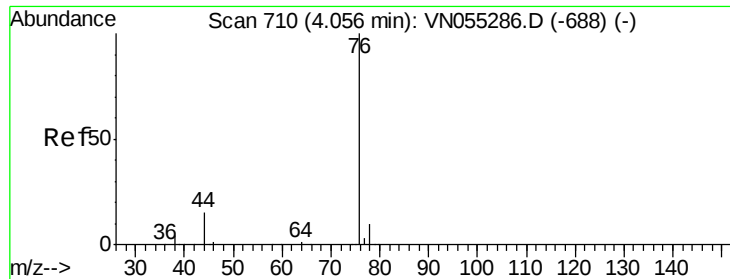
MMDadoda
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#16
 Acetone
 Concen: 223.580 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion	43	Ratio	Lower	Upper
43	100			
58	28.3	23.6	35.4	





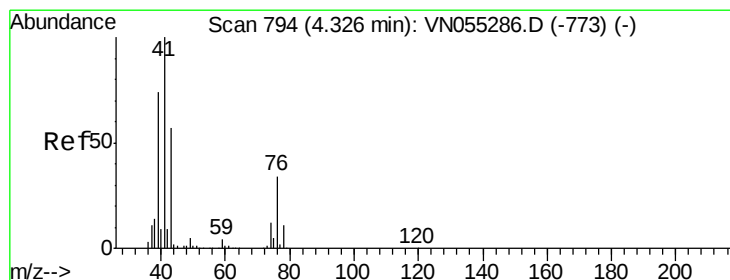
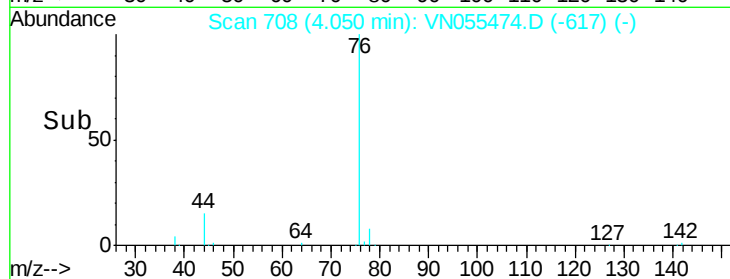
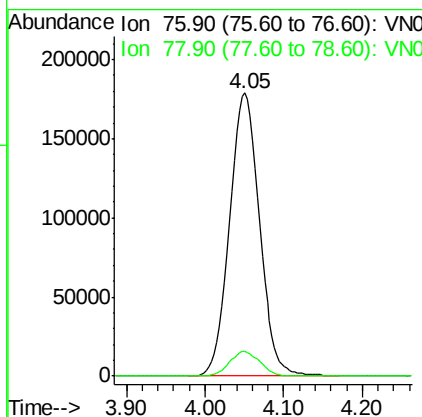
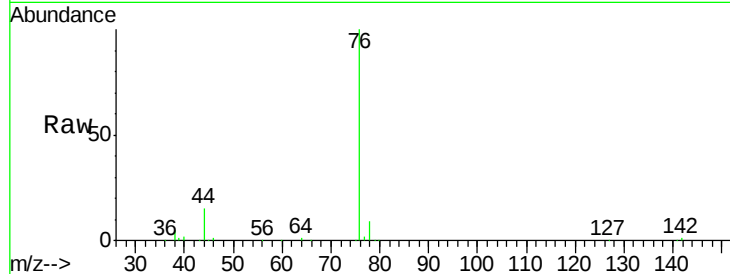
#17
Carbon Disulfide
Concen: 34.213 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

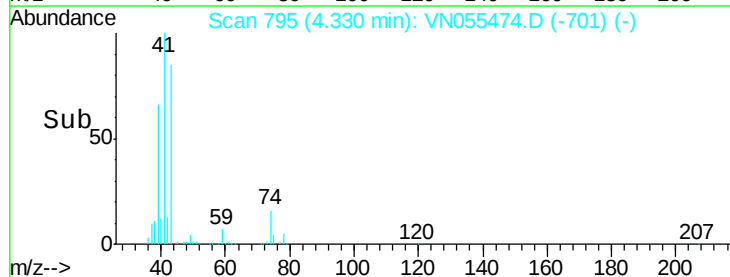
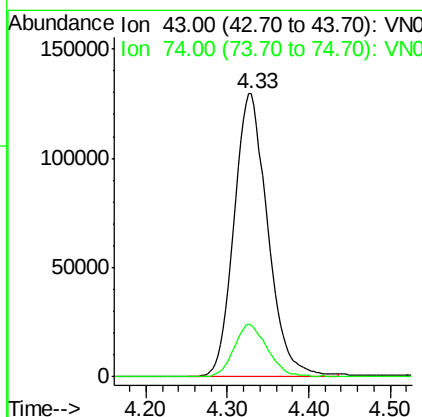
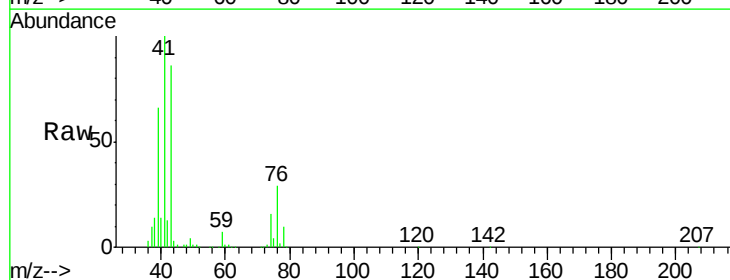
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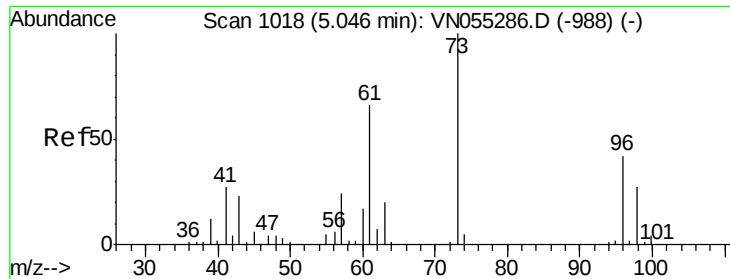
MMDadoda
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#18
Methyl Acetate
Concen: 70.495 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.4	15.8	23.8





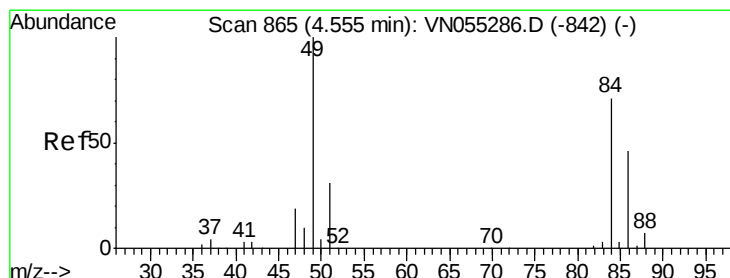
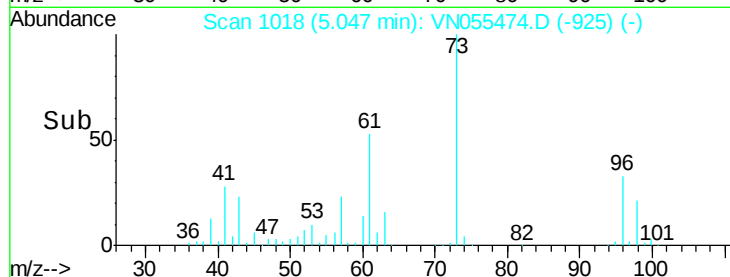
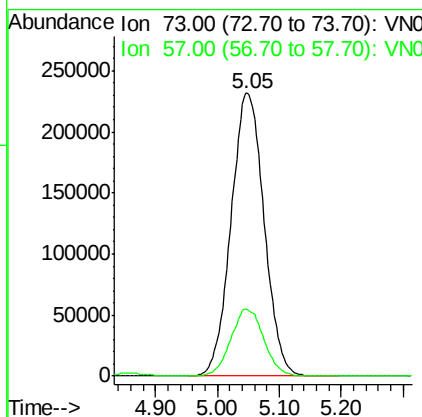
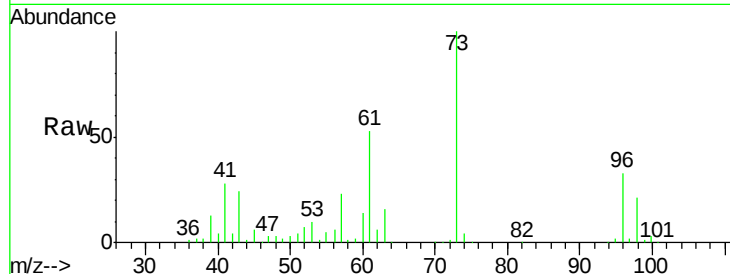
#19
Methvl tert-butvl Ether
Concen: 57.687 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 73 Resp: 859113
Ion Ratio Lower Upper
73 100
57 23.5 19.1 28.7

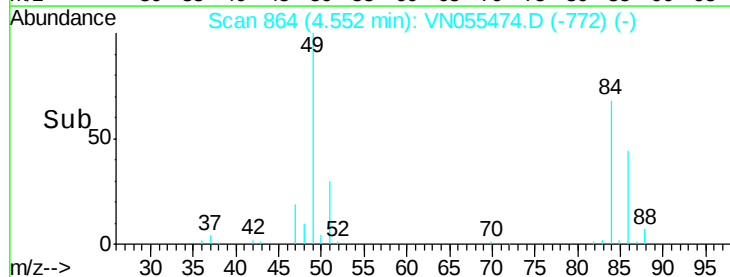
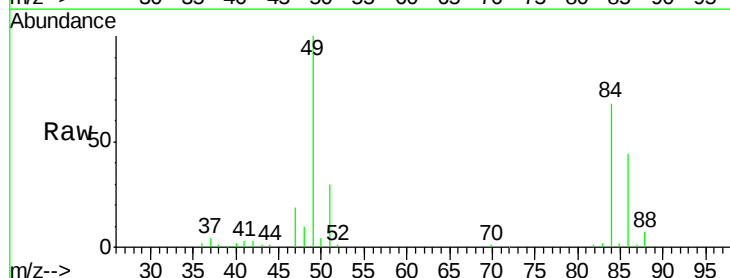
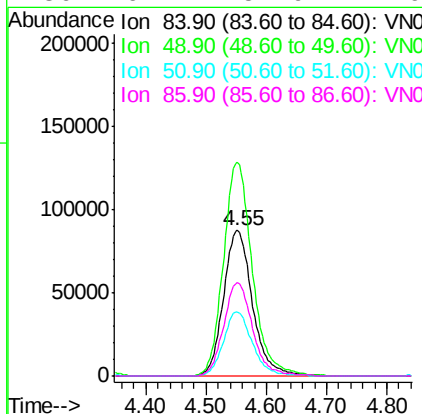
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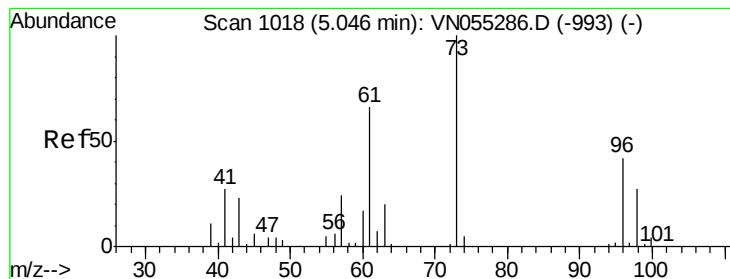
MMDadoda
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#20
Methylene Chloride
Concen: 43.738 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion: 84 Resp: 291838
Ion Ratio Lower Upper
84 100
49 146.6 112.4 168.6
51 43.8 34.6 51.8
86 64.1 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 44.254 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

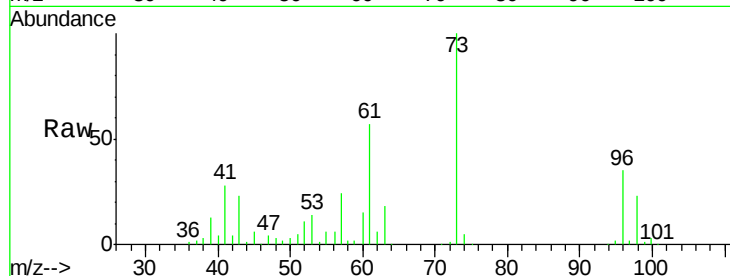
ClientSampleId :

P026-SS002-1218-01MSD

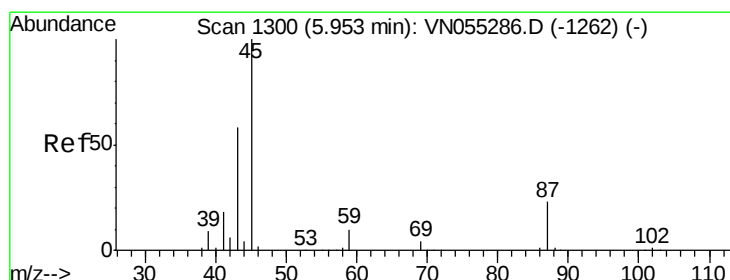
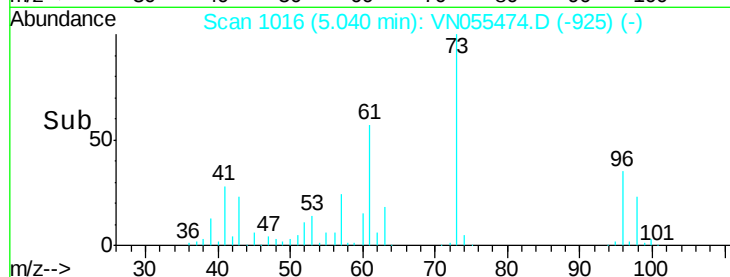
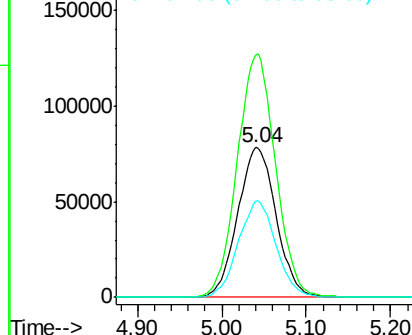
Tot Ion:	96	Resp:	248284
Ion	Ratio	Lower	Upper
96	100		
61	161.9	126.2	189.4
98	64.0	52.2	78.2

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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 56.321 ug/l

RT: 5.95 min Scan# 1300

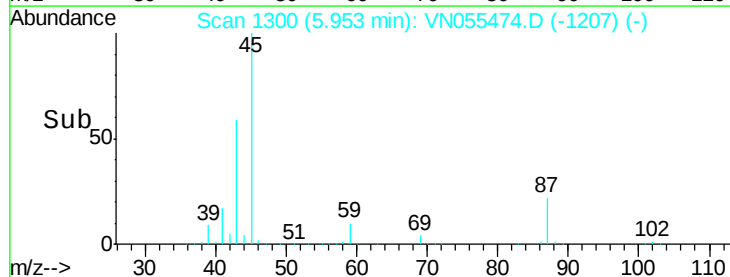
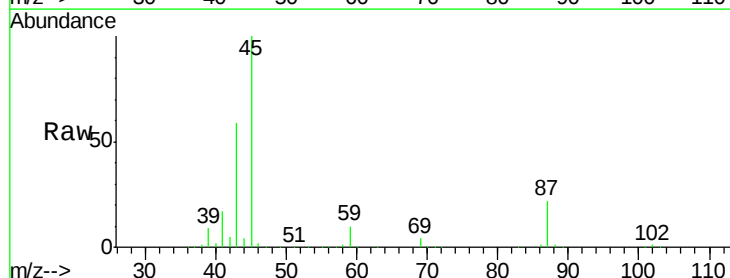
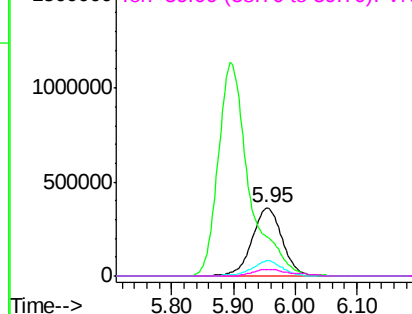
Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion:	45	Resp:	1227775
Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.6	70.0
87	21.7	18.1	27.1
59	10.0	8.2	12.2

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





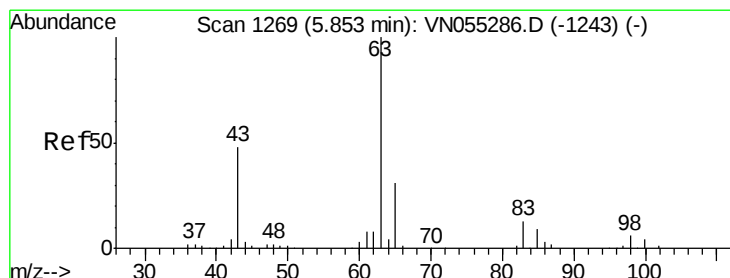
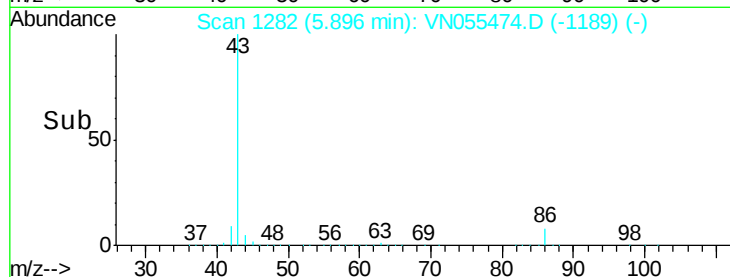
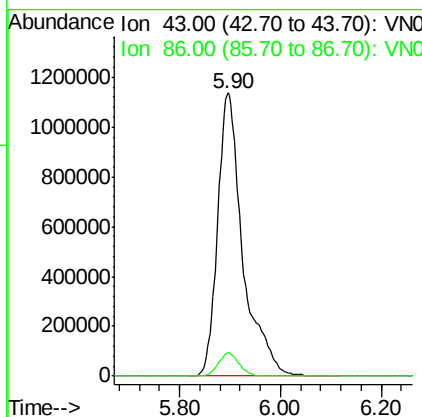
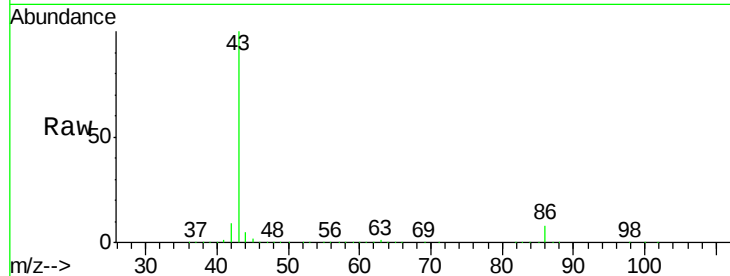
#23
 Vinyl Acetate
 Concen: 275.661 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 3938505
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.6 10.0

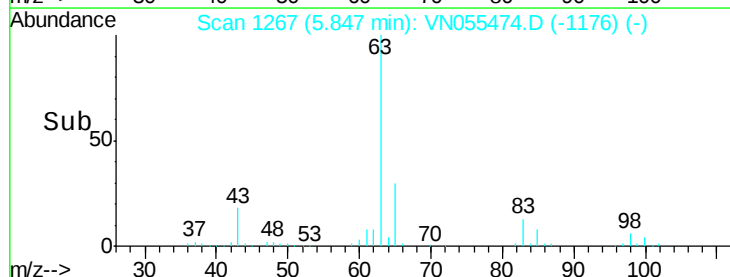
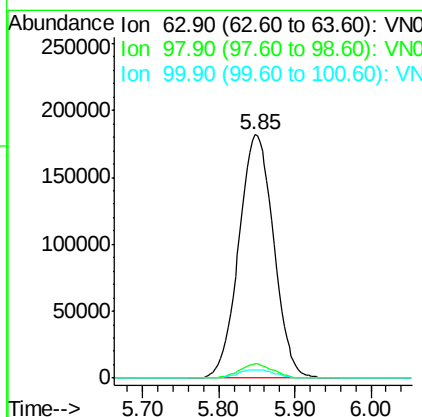
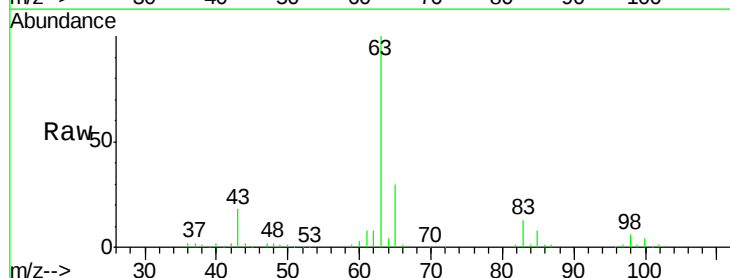
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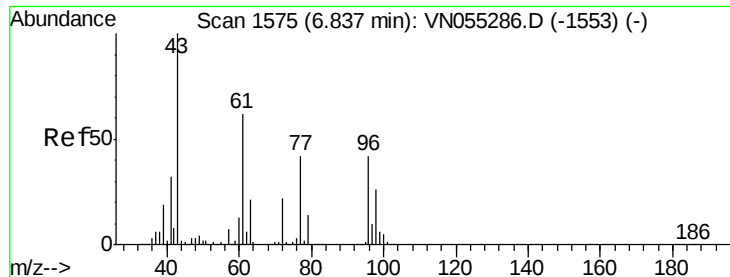
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 49.927 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion: 63 Resp: 579911
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.5 1.8 5.4





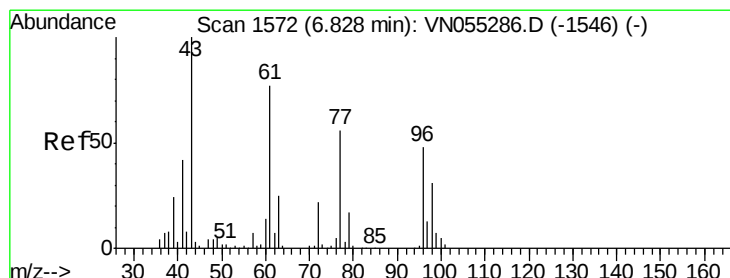
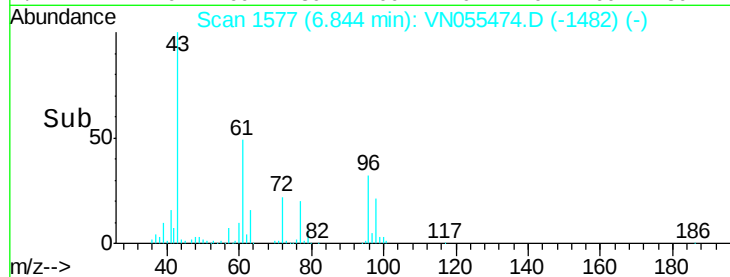
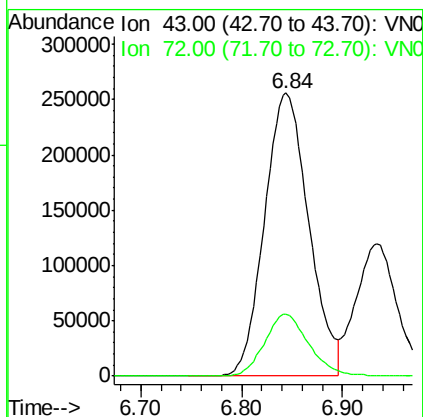
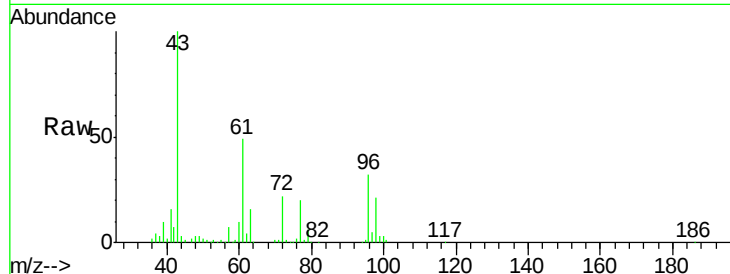
#25
2-Butanone
Concen: 278.549 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 778717
Ion Ratio Lower Upper
43 100
72 22.0 18.0 27.0

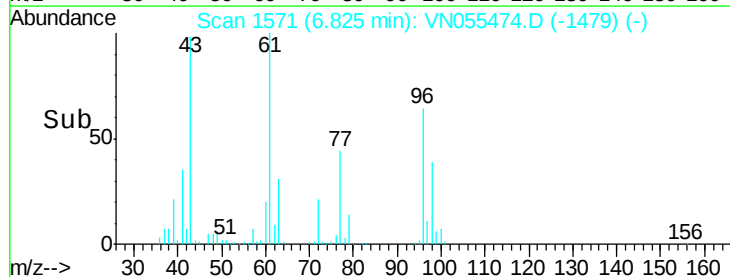
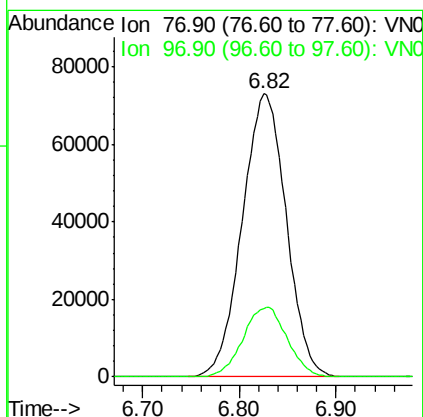
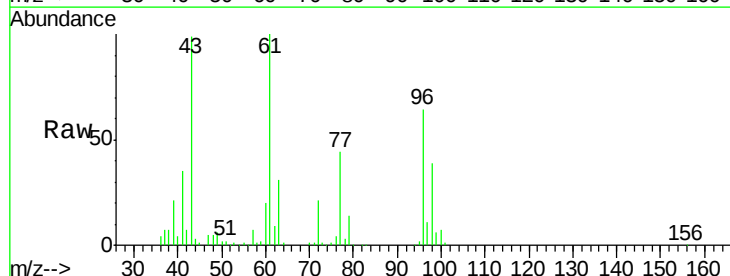
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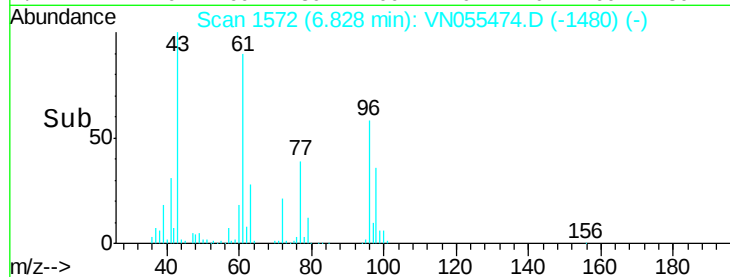
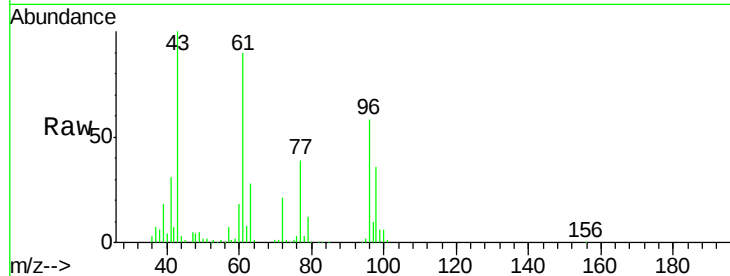
MMDadoda
5/8/2019 10:16:52 AM



#26
2,2-Dichloropropane
Concen: 28.785 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion: 77 Resp: 230876
Ion Ratio Lower Upper
77 100
97 24.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 48.934 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055474.D

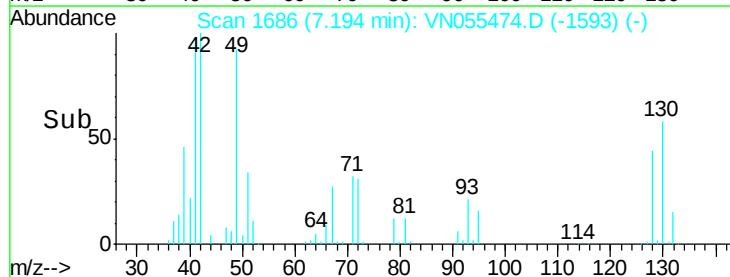
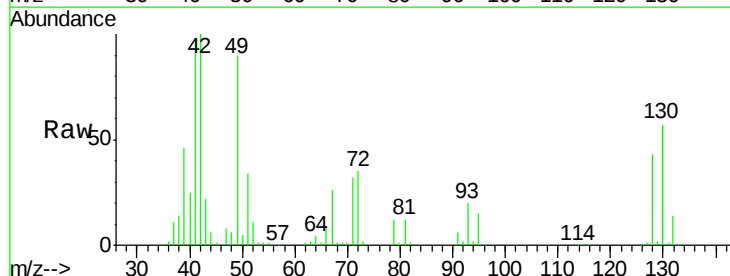
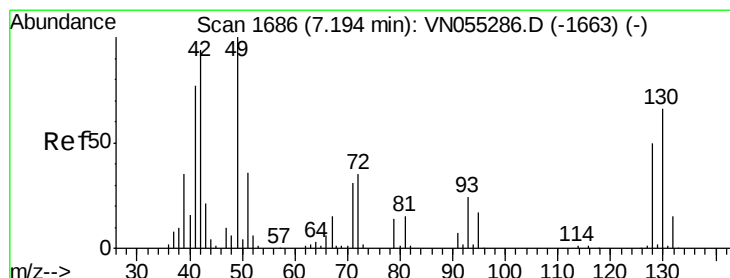
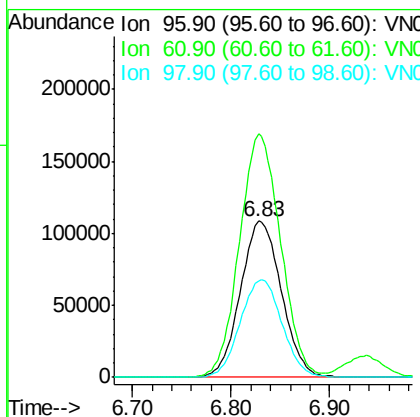
Acq: 8 May 2019 7:26

Tot Ion	Ratio	Resp	Lower	Upper
96	100	312209		
61	156.5	0.0	316.2	
98	64.0	0.0	126.6	

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Manual Integrations
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5/8/2019 10:16:52 AM



#28

Bromochloromethane

Concen: 37.171 ug/l

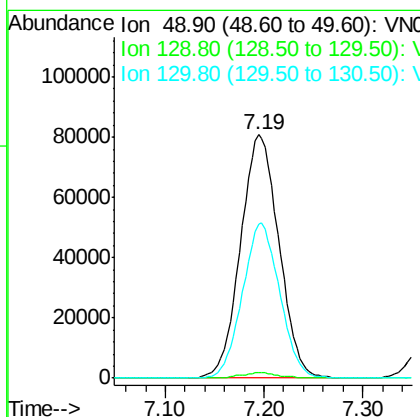
RT: 7.19 min Scan# 1686

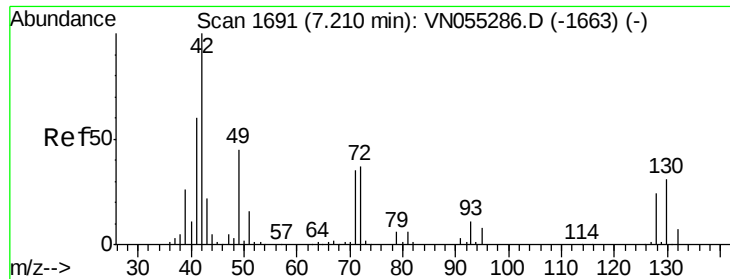
Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217627		
129	2.0	0.0	2.4	
130	61.6	52.0	78.0	





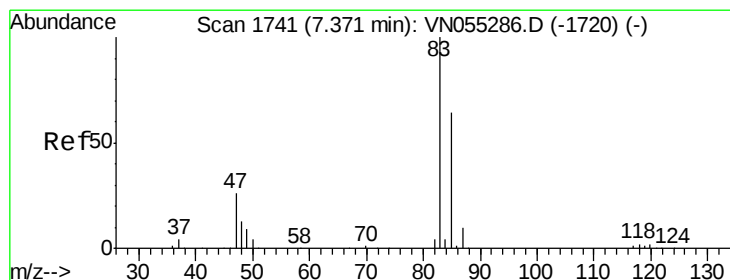
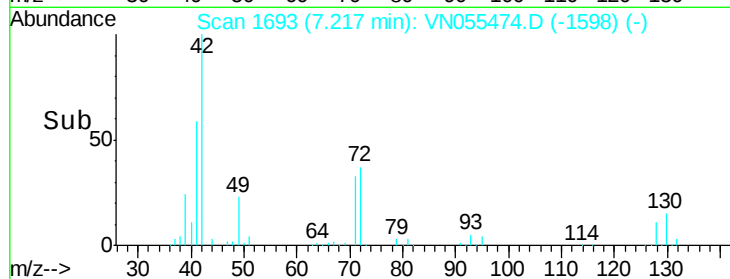
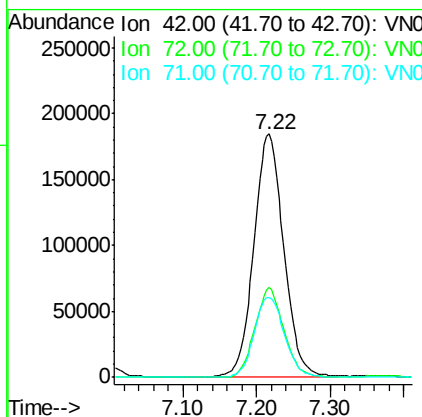
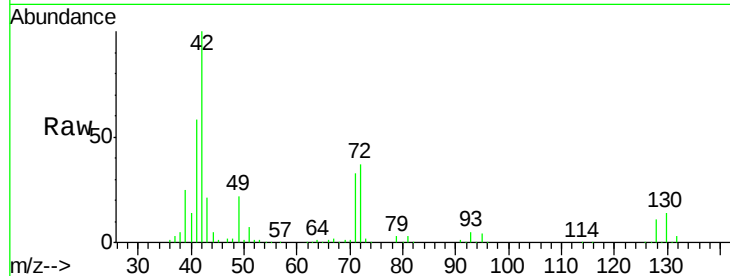
#29
Tetrahydrofuran
Concen: 290.249 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.0	43.6
71	33.6	27.1	40.7

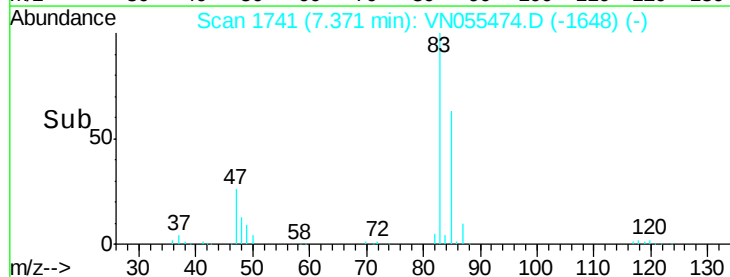
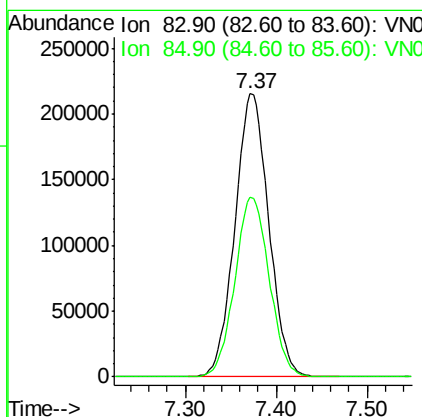
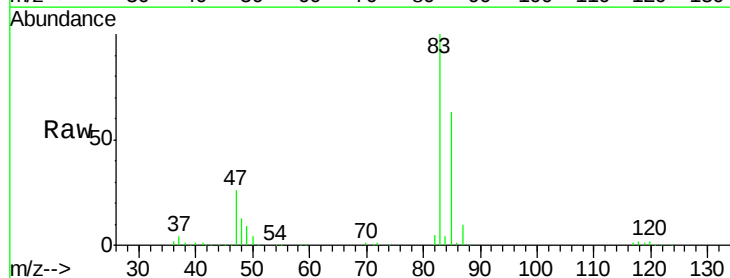
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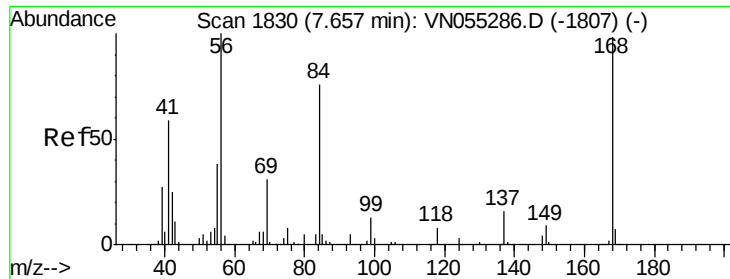
MMDadoda
5/8/2019 10:16:52 AM



#30
Chloroform
Concen: 50.489 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





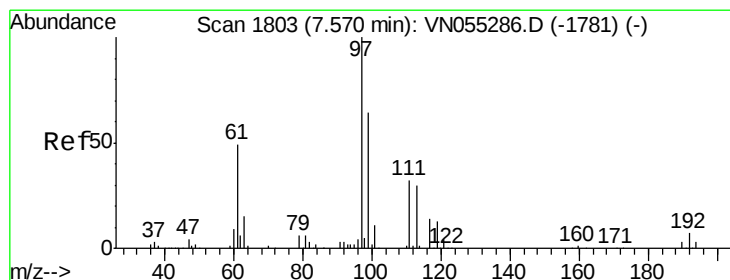
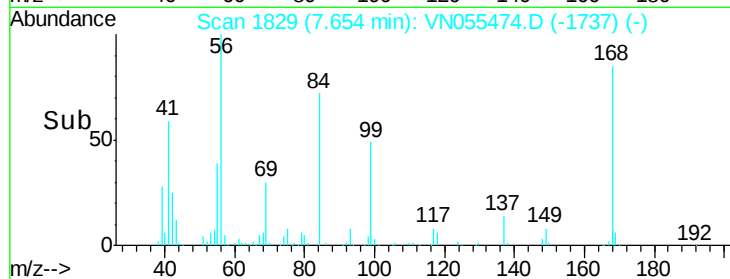
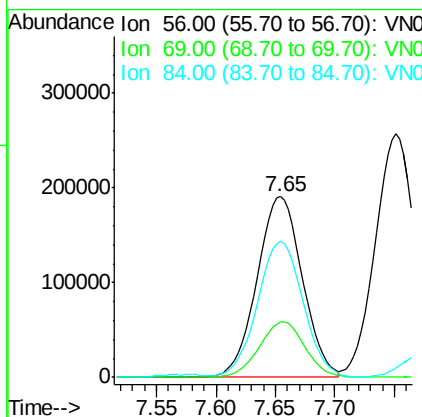
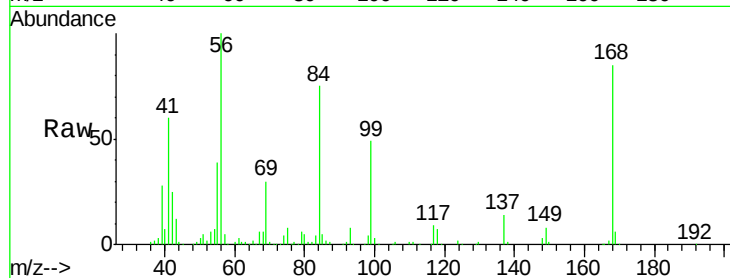
#31
Cyclohexane
Concen: 45.592 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.2	37.8
84	74.0	61.1	91.7

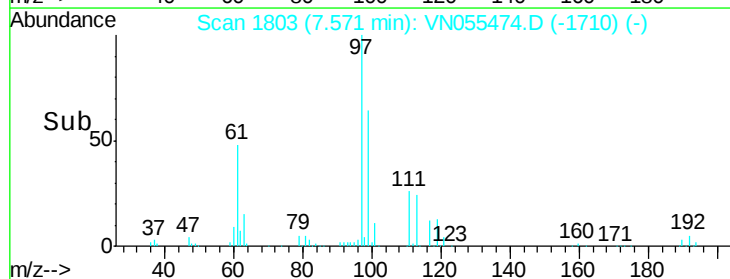
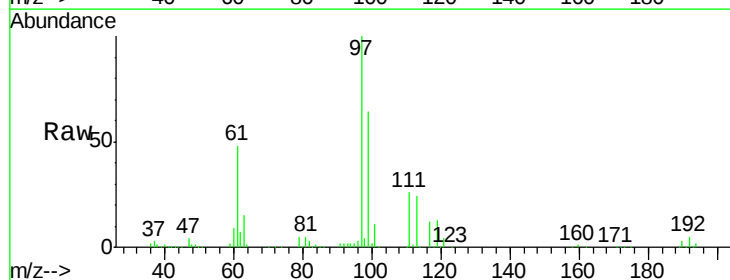
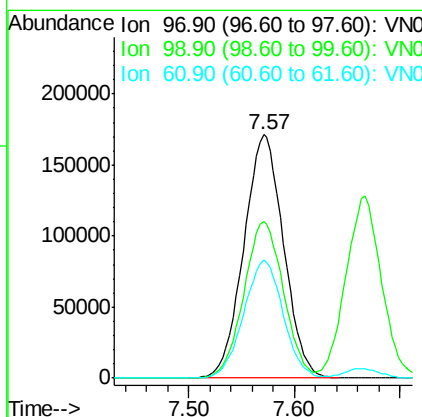
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#32
1,1,1-Trichloroethane
Concen: 50.200 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	48.2	39.0	58.6





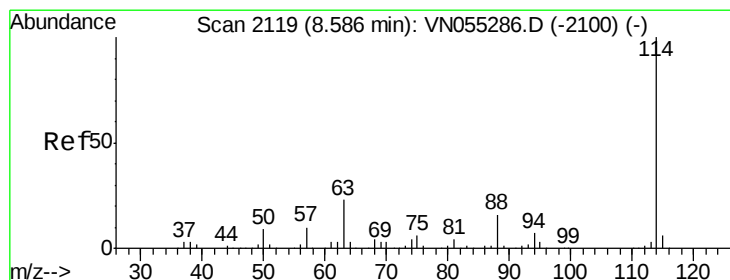
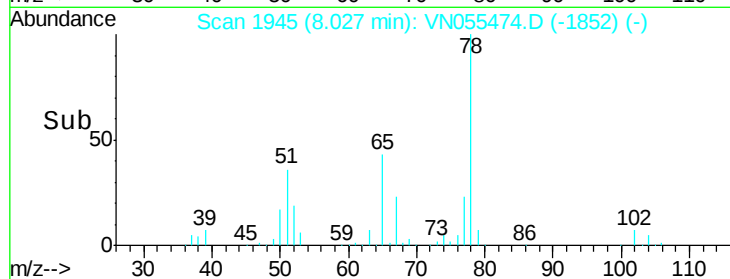
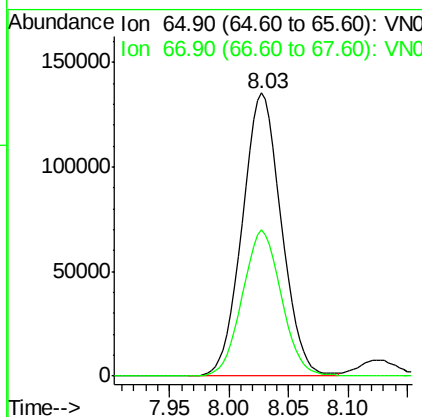
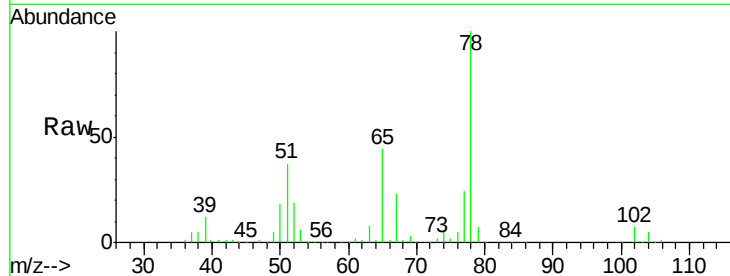
#33
 1,2-Dichloroethane-d4
 Concen: 43.918 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	308116		
67	51.6	0.0	106.8	

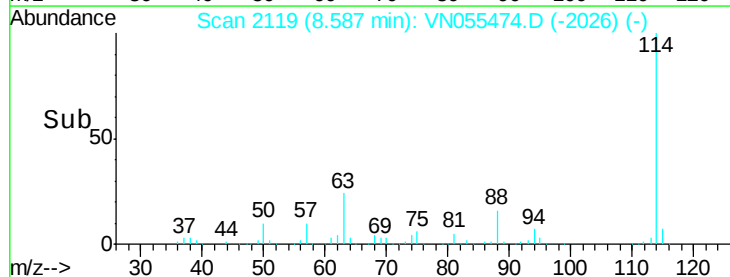
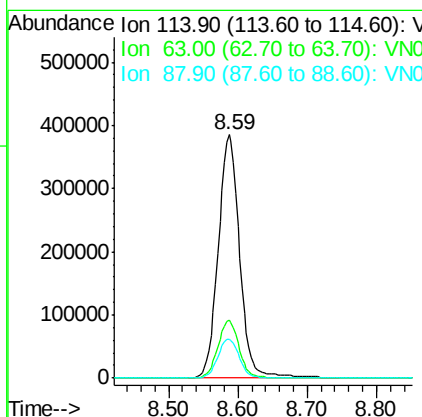
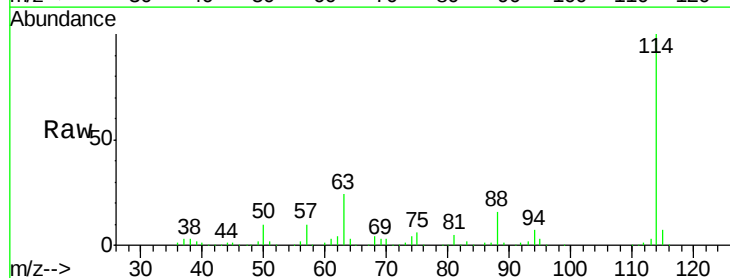
Manual Integrations
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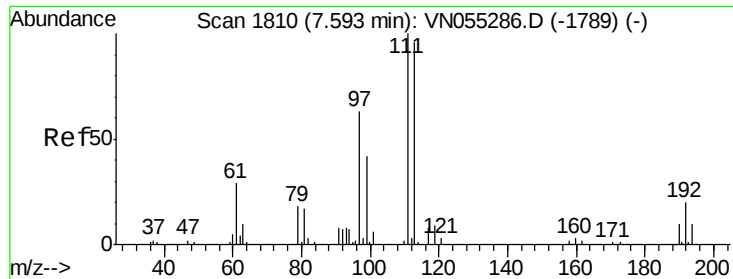
MMDadoda
 5/8/2019 10:16:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	826619		
63	23.8	0.0	45.2	
88	16.0	0.0	31.6	





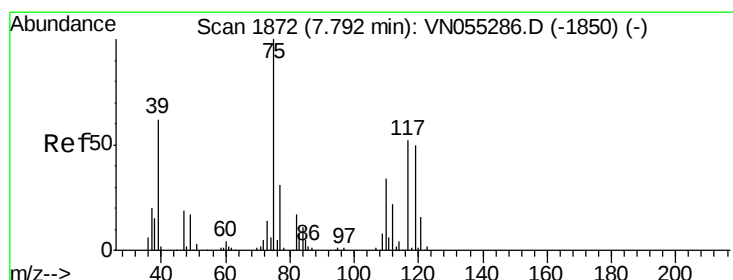
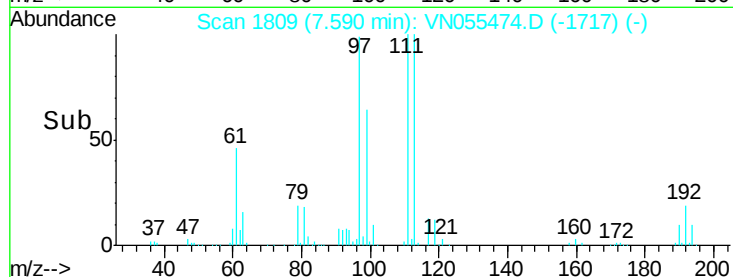
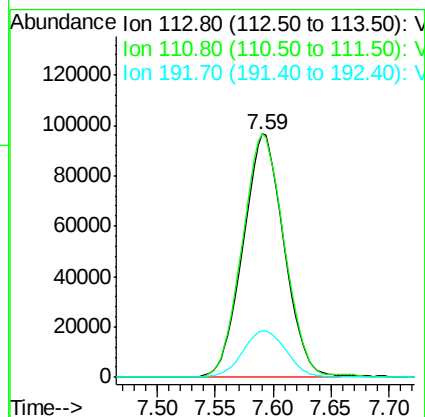
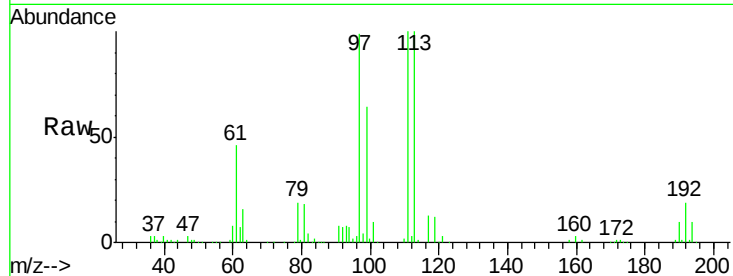
#35
Dibromofluoromethane
Concen: 43.726 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237241		
111	102.4	82.3	123.5	
192	20.3	17.0	25.6	

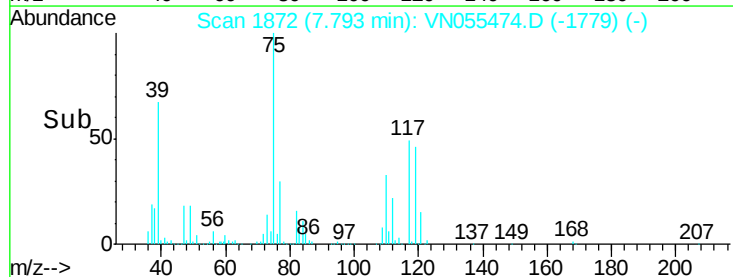
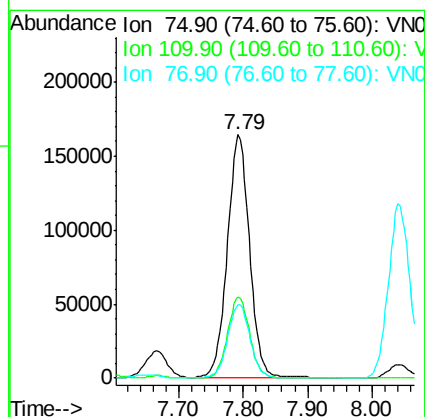
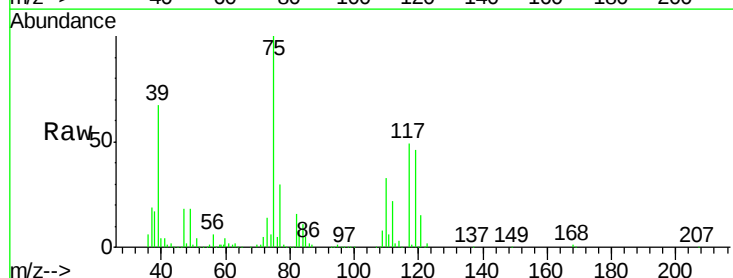
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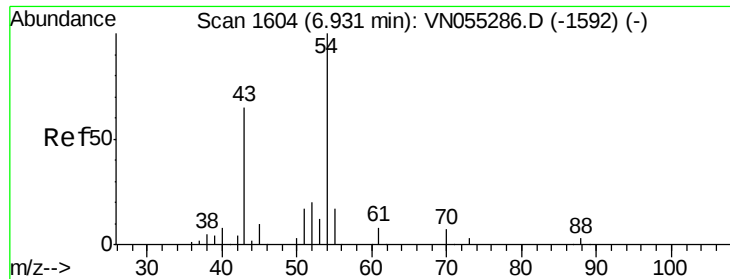
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.956 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	395537		
110	32.8	16.8	50.4	
77	30.6	25.0	37.6	





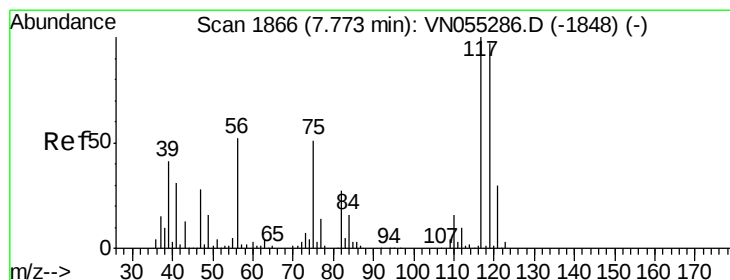
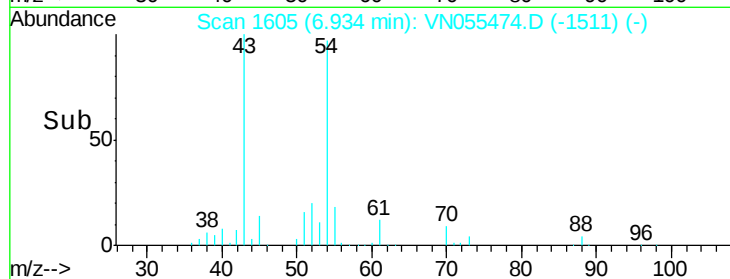
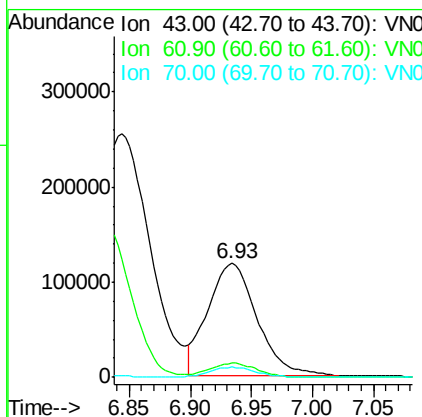
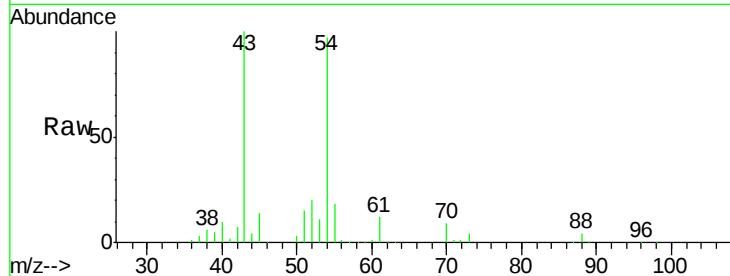
#37
Ethyl Acetate
Concen: 55.003 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.4	15.6
70	8.3	6.6	10.0

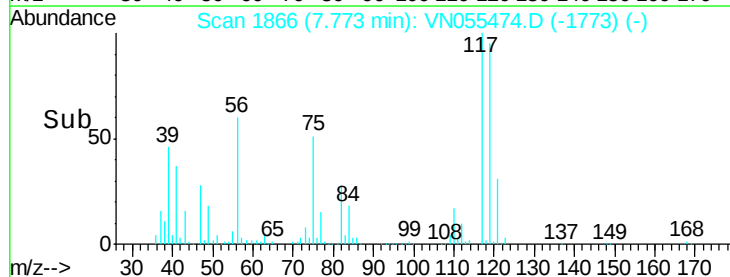
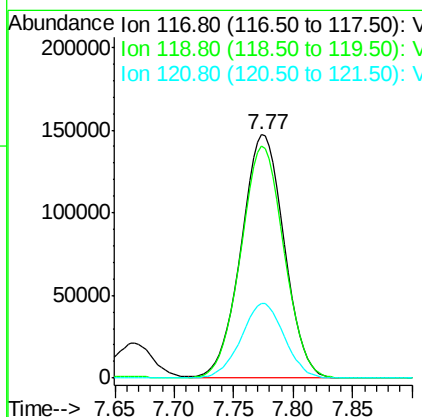
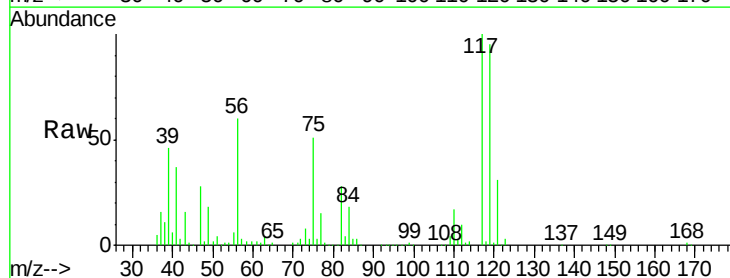
Manual Integrations
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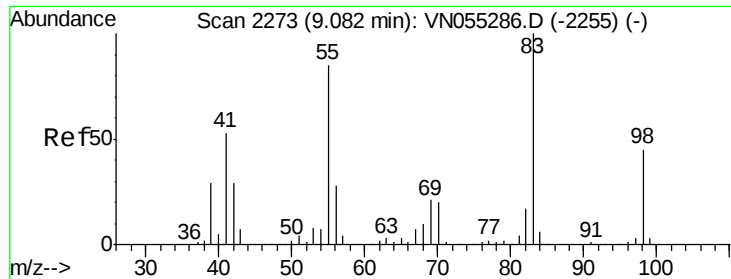
MMDadoda
5/8/2019 10:16:52 AM



#38
Carbon Tetrachloride
Concen: 48.184 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.0	115.6
121	31.0	23.8	35.8





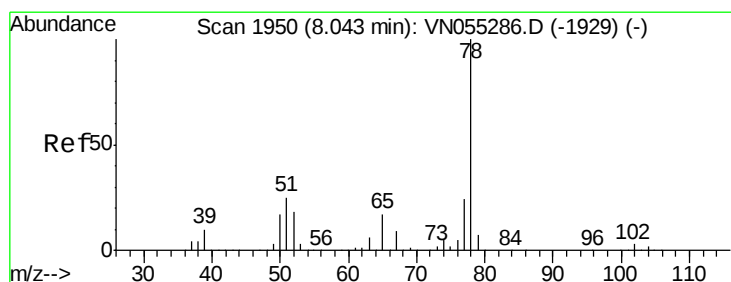
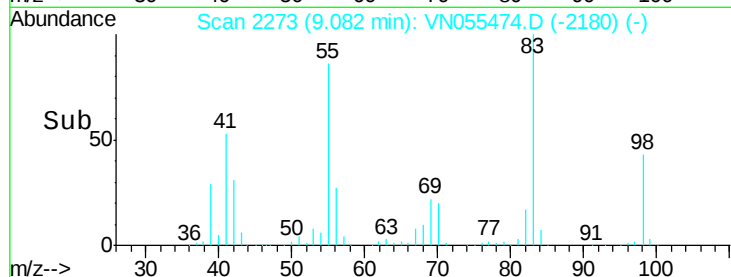
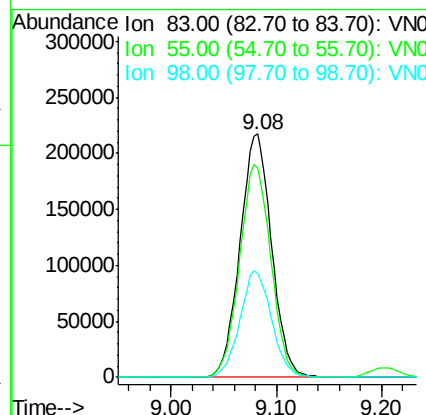
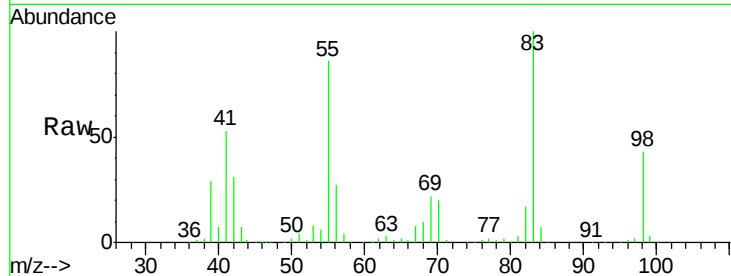
#39
Methvlcvclohexane
Concen: 53.675 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	67.8	101.6
98	42.9	36.2	54.4

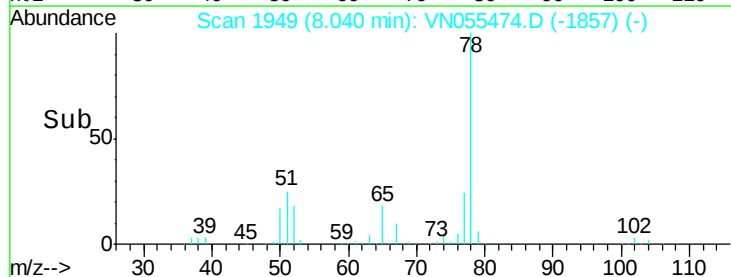
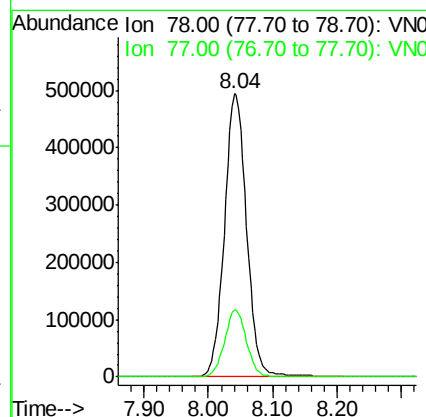
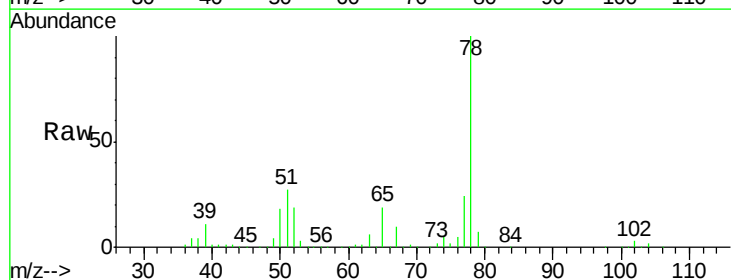
Manual Integrations
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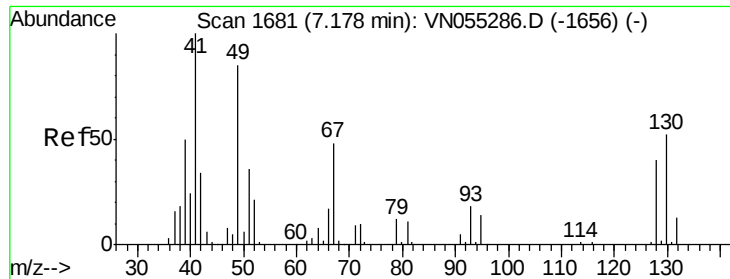
MMDadoda
5/8/2019 10:16:52 AM



#40
Benzene
Concen: 50.431 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





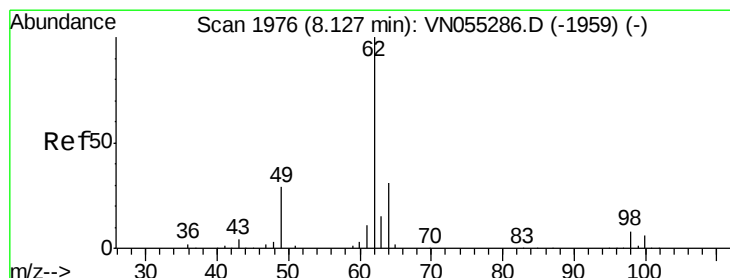
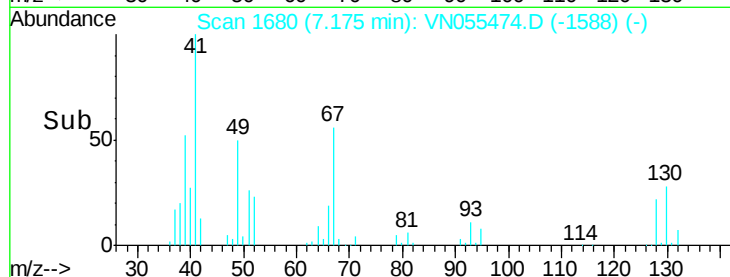
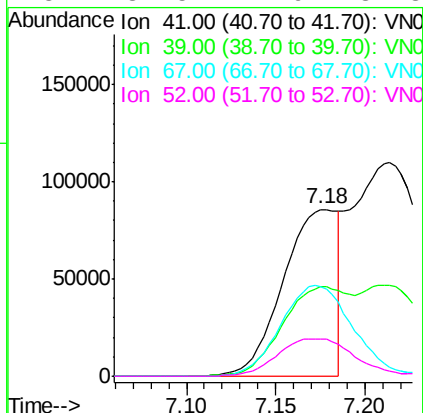
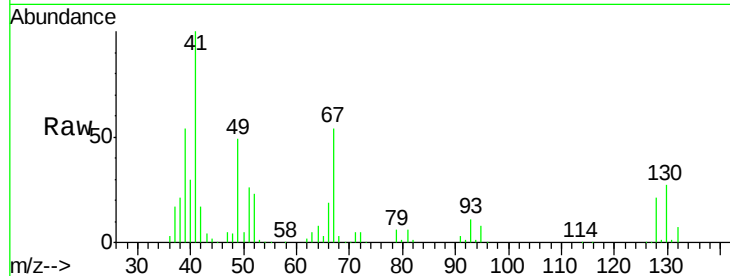
#41
Methacrylonitrile
Concen: 55.247 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	41	Resp	181702
Ion Ratio	Lower	Upper	
41	100		
39	67.1	48.5	72.7
67	72.8	54.9	82.3
52	31.5	24.9	37.3

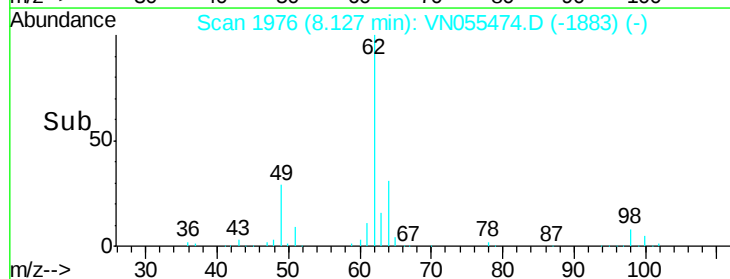
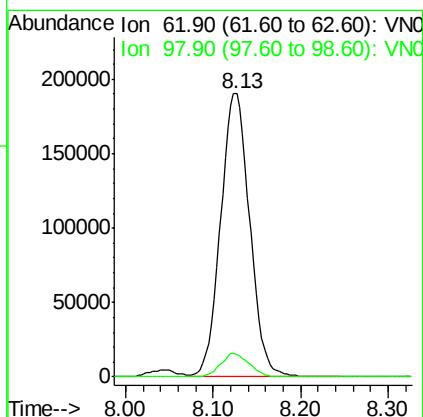
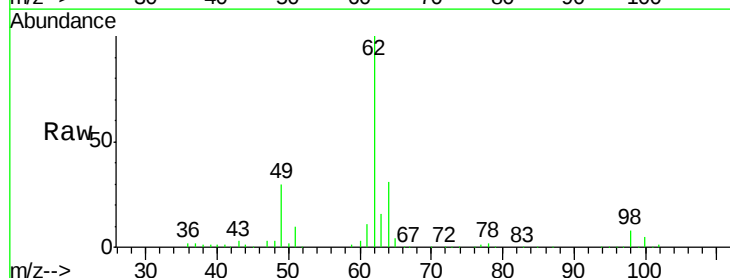
Manual Integrations
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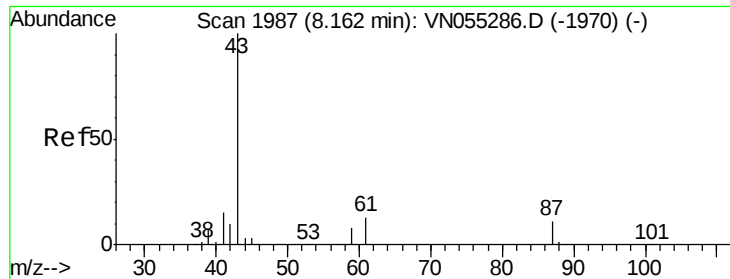
MMDadoda
5/8/2019 10:16:52 AM



#42
1,2-Dichloroethane
Concen: 53.096 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	62	Resp	438941
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	16.4





#43

Isopropyl Acetate

Concen: 62.805 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

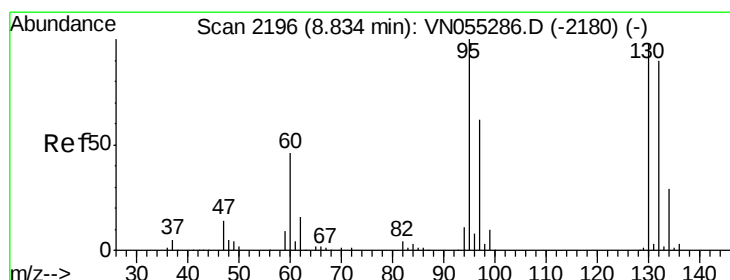
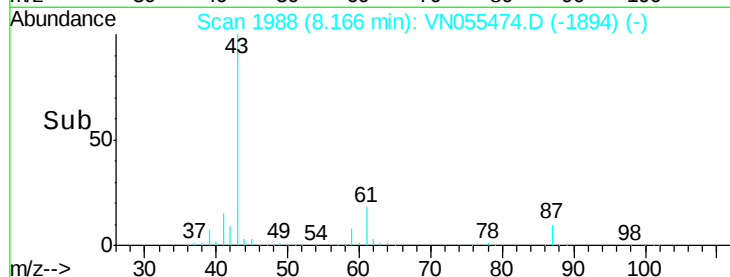
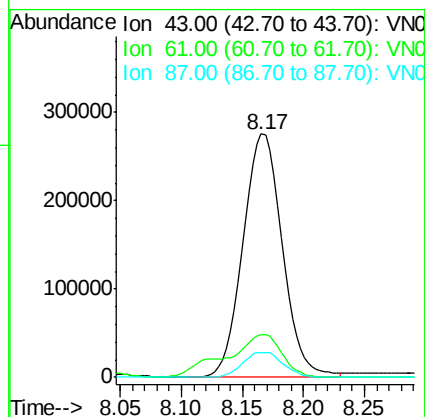
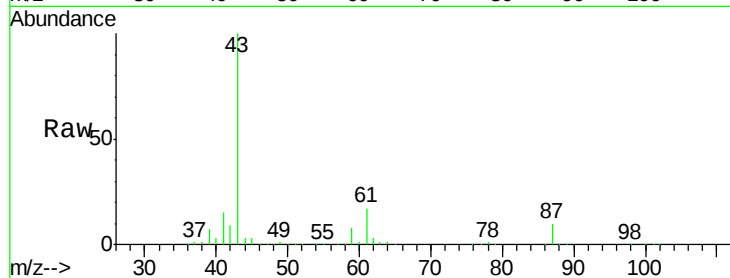
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	43	Resp:	612480
Ion	Ratio	Lower	Upper
43	100		
61	24.8	20.8	31.2
87	10.7	8.5	12.7

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#44

Trichloroethene

Concen: 49.820 ug/l

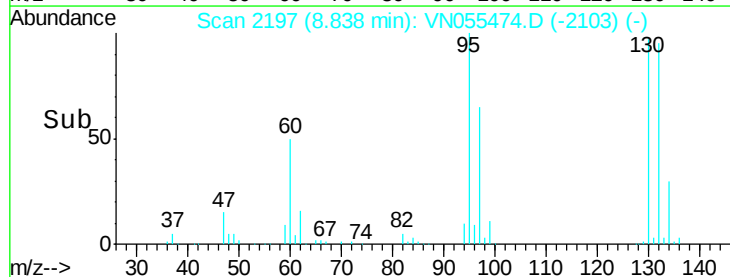
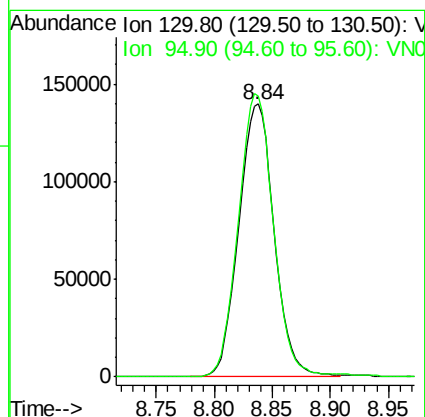
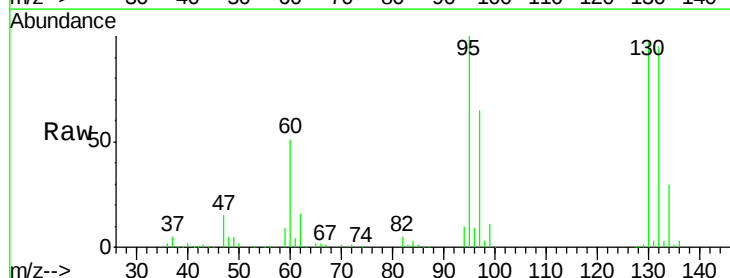
RT: 8.84 min Scan# 2197

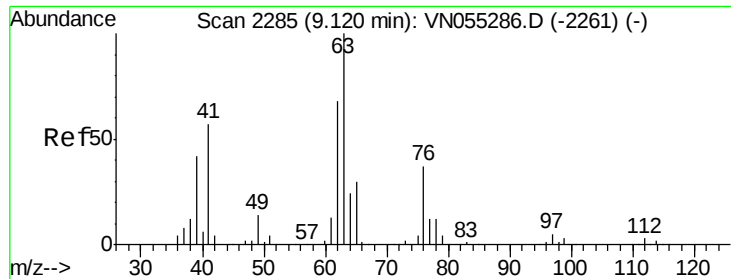
Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion:	130	Resp:	296442
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	203.4





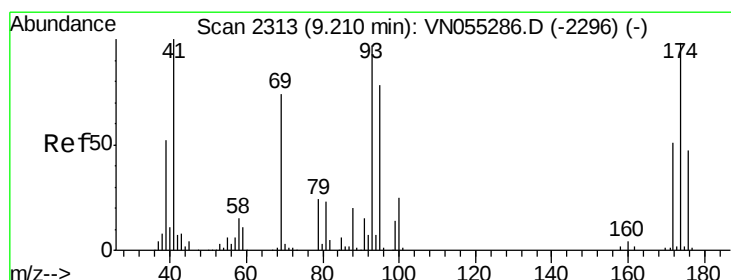
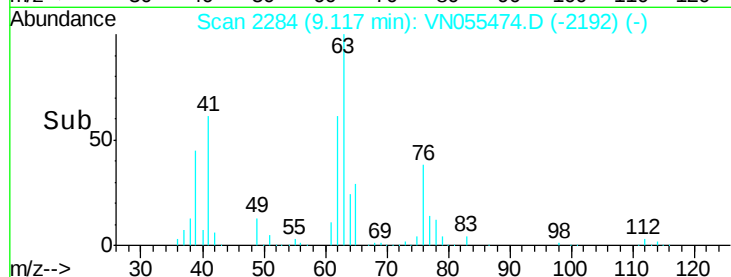
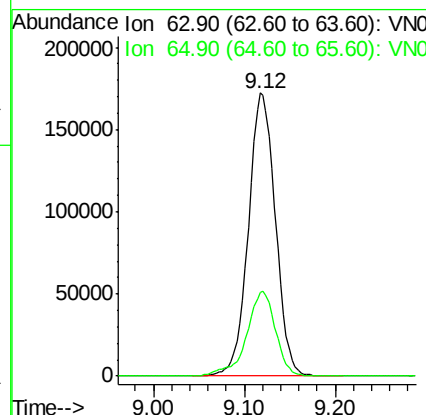
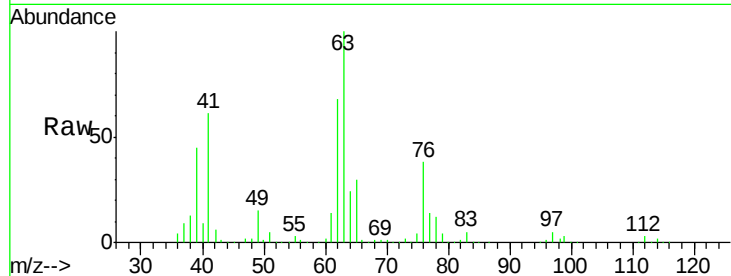
#45
 1,2-Dichloropropane
 Concen: 52.810 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.9	35.9

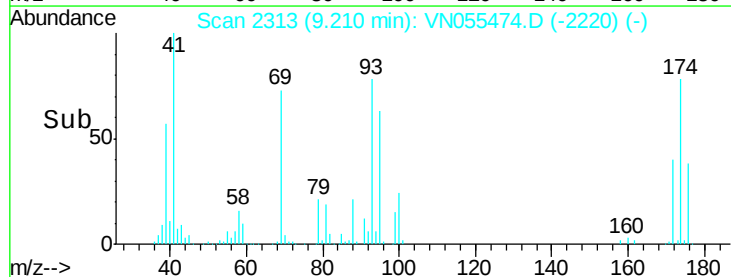
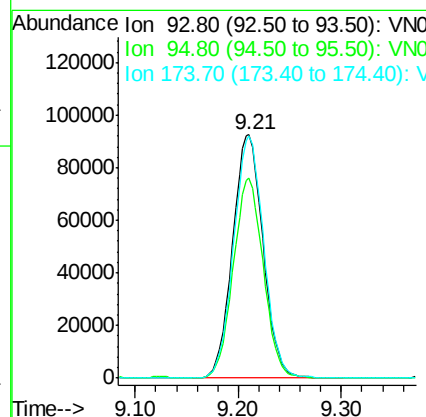
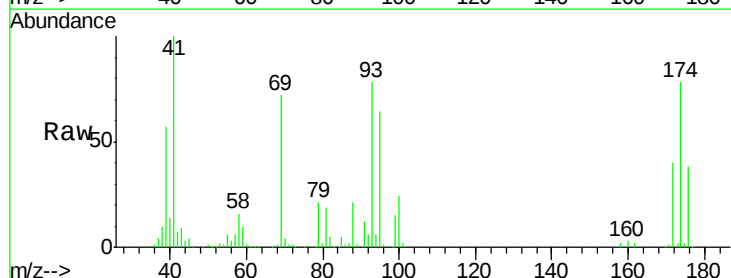
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#46
 Dibromomethane
 Concen: 51.653 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.7	98.5
174	98.2	81.5	122.3





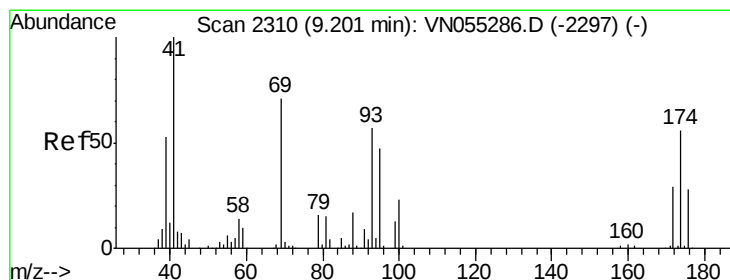
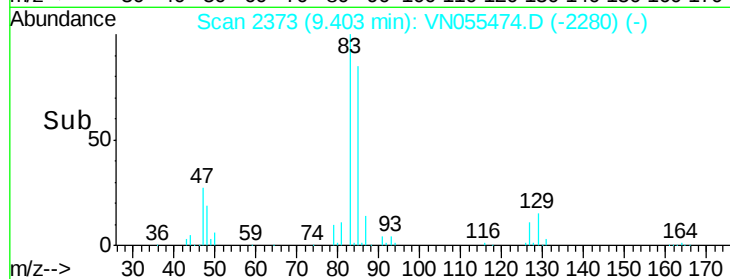
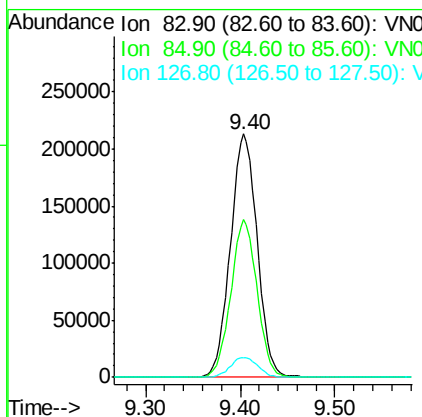
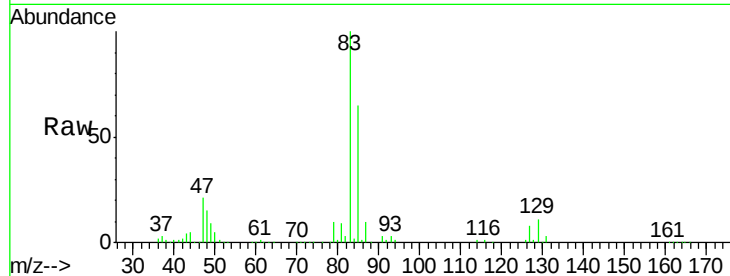
#47
Bromodichloromethane
Concen: 52.978 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	83	Resp	418211
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	50.1	75.1
127	8.3	6.7	10.1

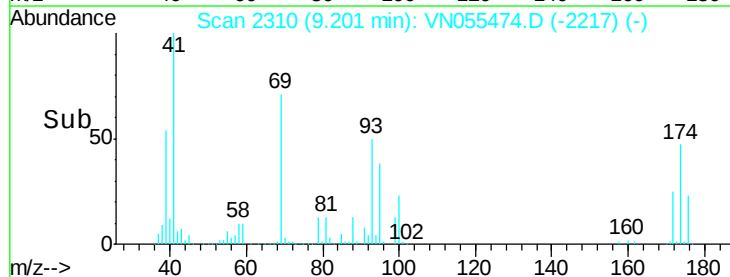
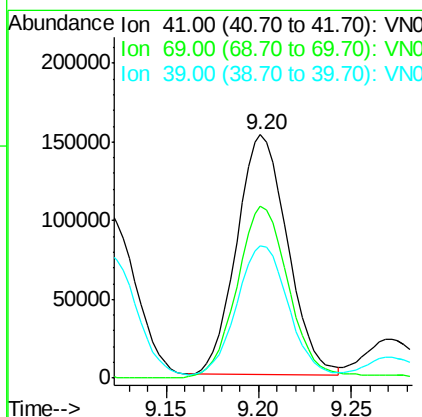
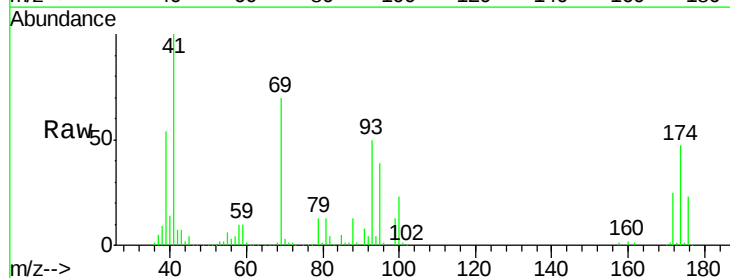
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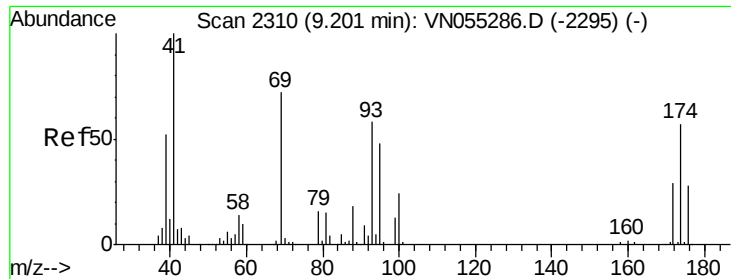
MMDadoda
5/8/2019 10:16:52 AM



#48
Methyl methacrylate
Concen: 60.529 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	41	Resp	290185
Ion Ratio	100	Lower	Upper
41	100		
69	74.1	58.6	87.8
39	56.1	43.8	65.6





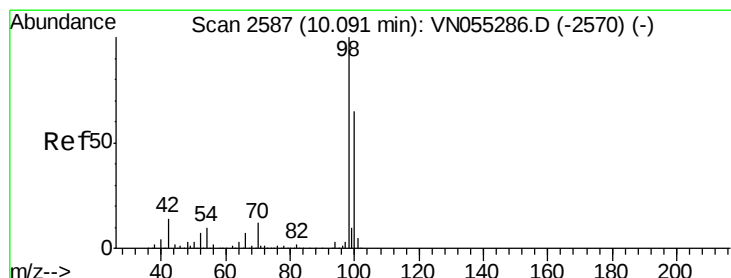
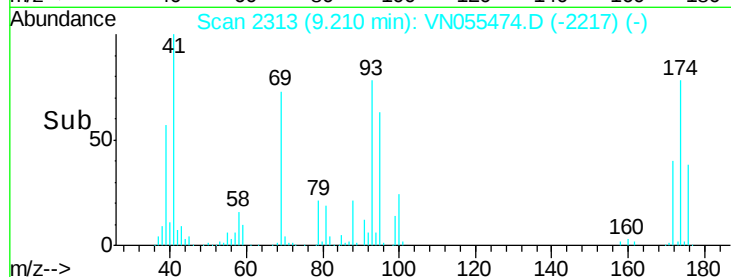
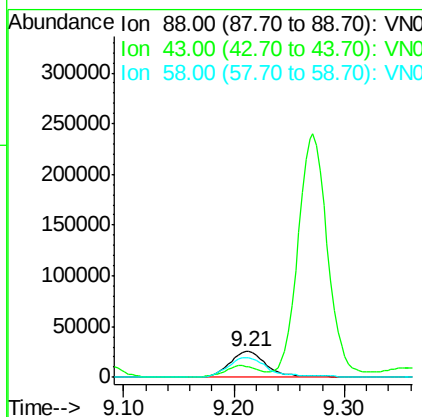
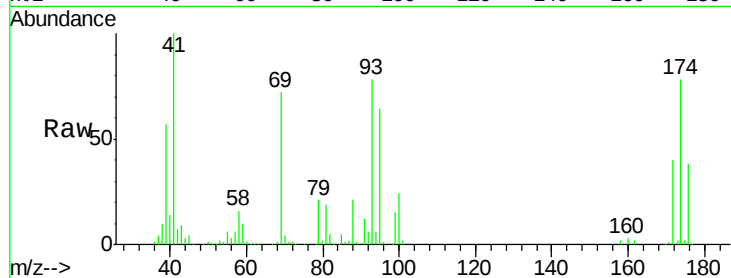
#49
1,4-Dioxane
Concen: 1224.509 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	88	Resp	60685
Ion	Ratio	Lower	Upper
88	100		
43	38.5	33.3	49.9
58	79.1	62.7	94.1

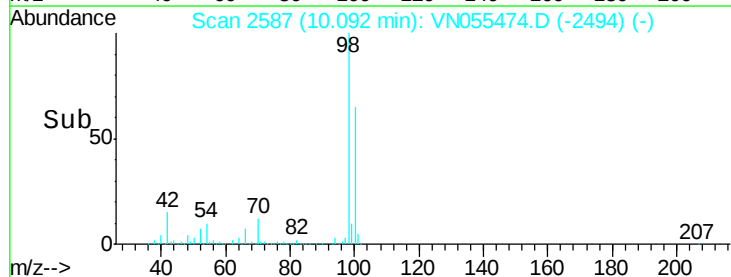
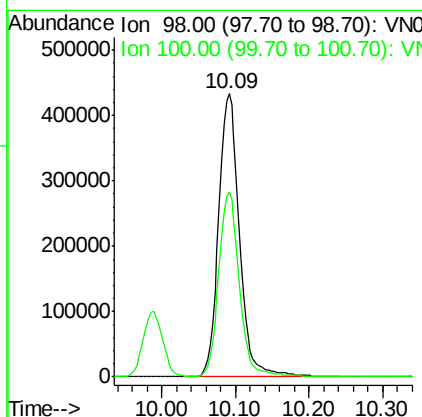
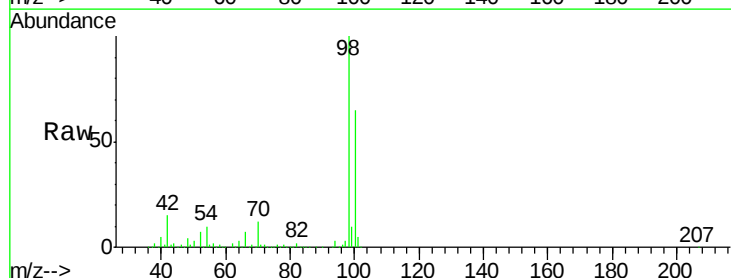
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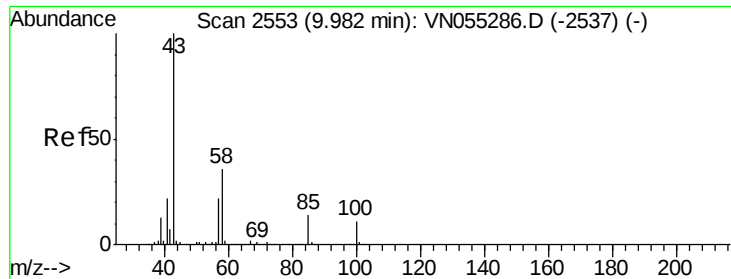
MMDadoda
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#50
Toluene-d8
Concen: 43.445 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	98	Resp	851144
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 302.816 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 1662631

Ion Ratio Lower Upper

43 100

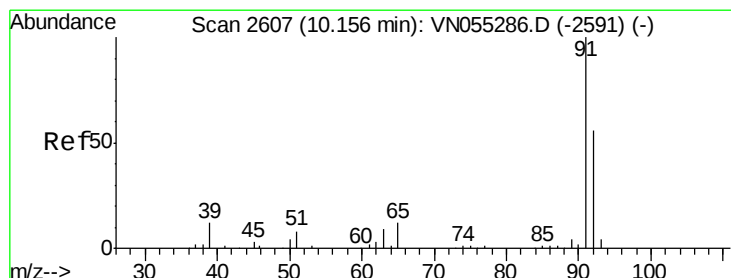
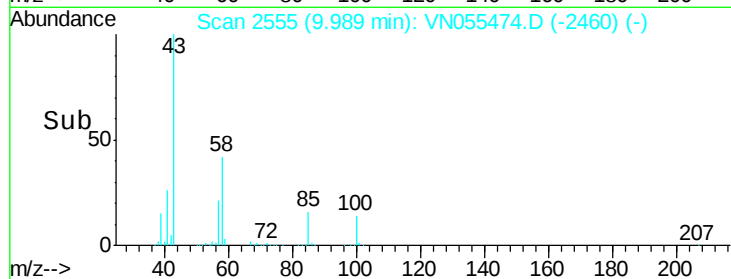
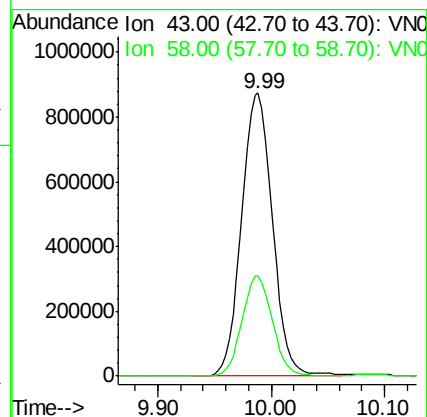
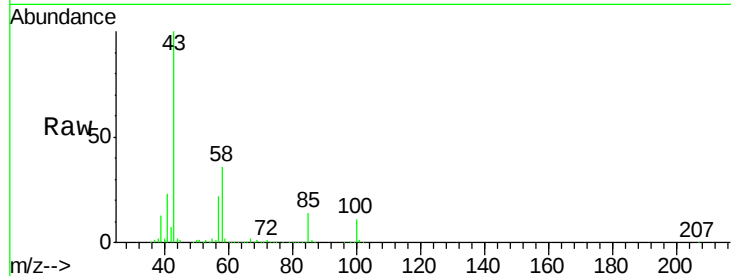
58 35.0 28.5 42.7

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5/8/2019 10:16:52 AM



#52

Toluene

Concen: 52.222 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055474.D

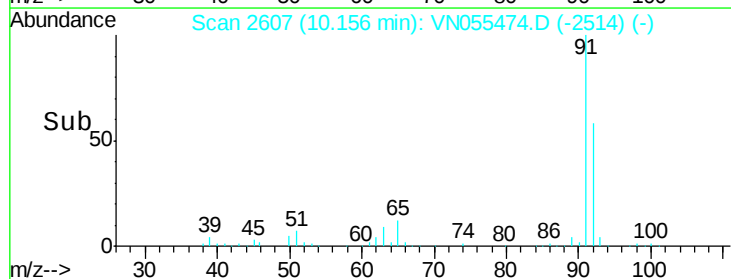
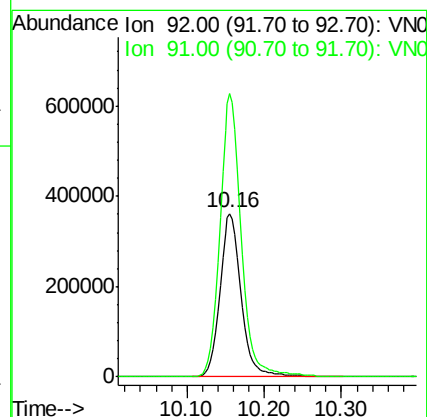
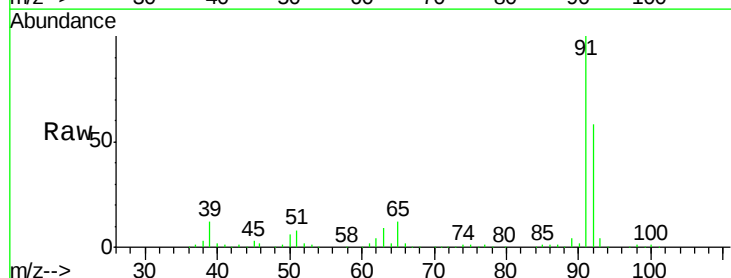
Acq: 8 May 2019 7:26

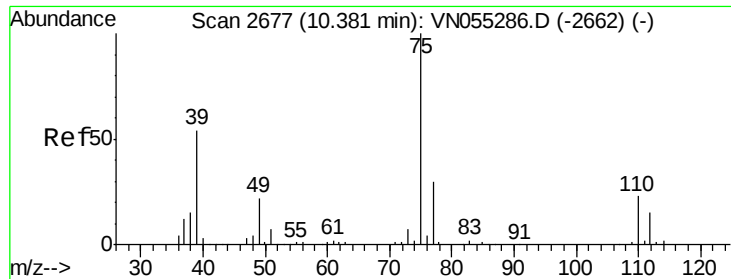
Tgt Ion: 92 Resp: 699378

Ion Ratio Lower Upper

92 100

91 173.6 140.1 210.1





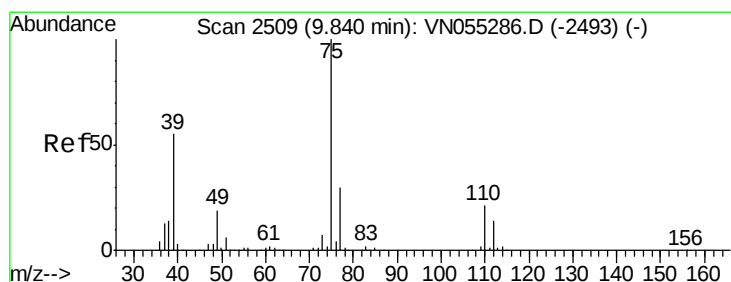
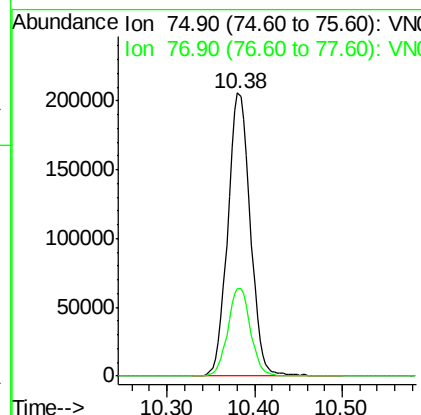
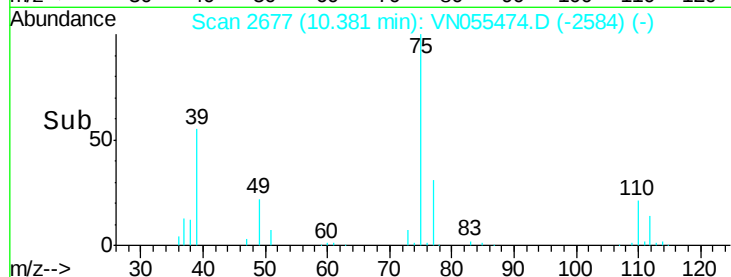
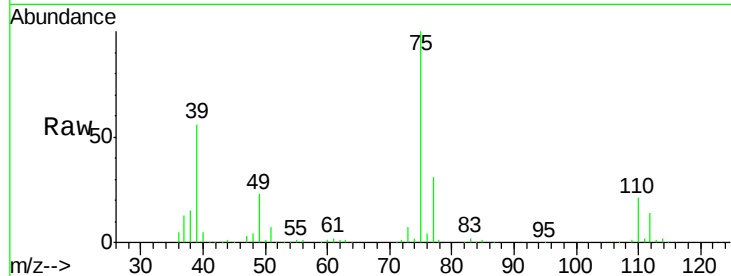
#53
 t-1,3-Dichloropropene
 Concen: 53.827 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion: 75 Resp: 368872
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.4 36.6

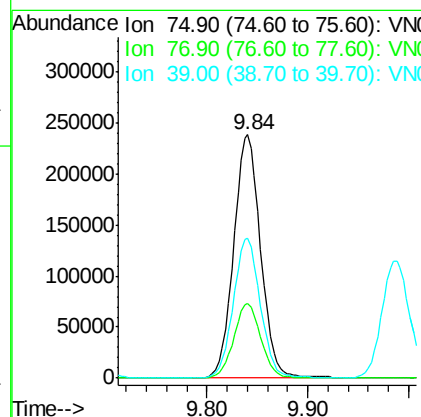
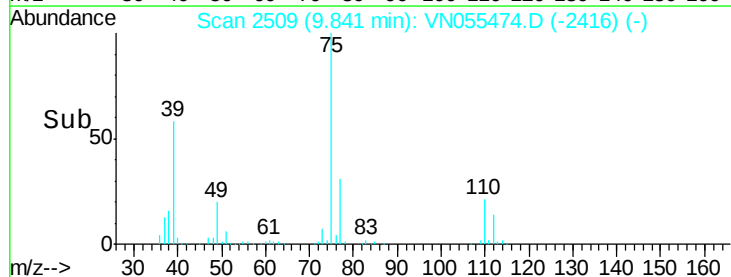
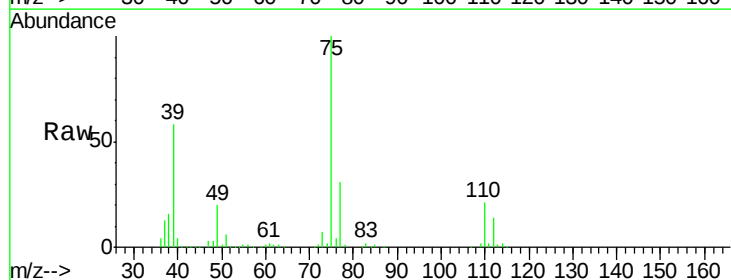
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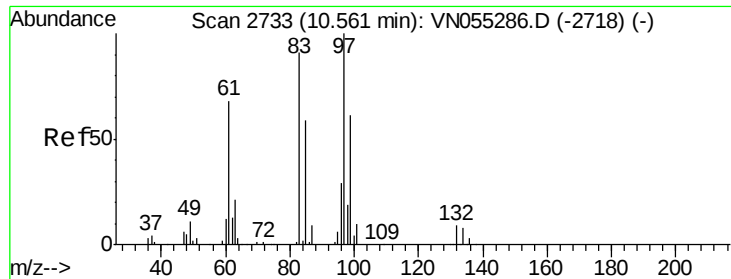
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#54
 cis-1,3-Dichloropropene
 Concen: 51.918 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion: 75 Resp: 443596
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.2 36.2
 39 57.5 44.2 66.2





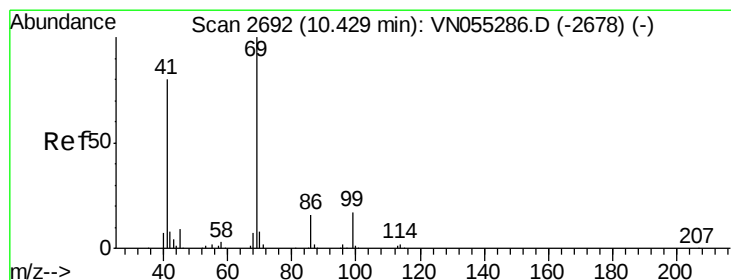
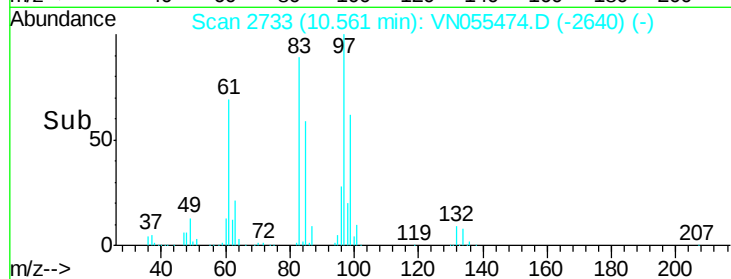
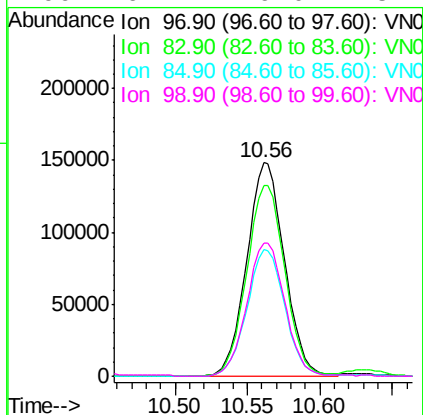
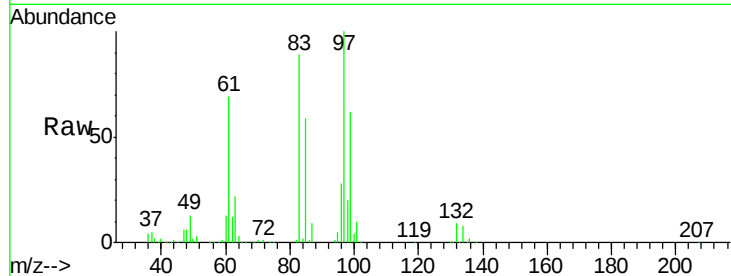
#55
 1,1,2-Trichloroethane
 Concen: 54.076 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion:	97	Resp:	268927
Ion	Ratio	Lower	Upper
97	100		
83	89.3	72.8	109.2
85	59.1	47.0	70.6
99	62.1	49.0	73.4

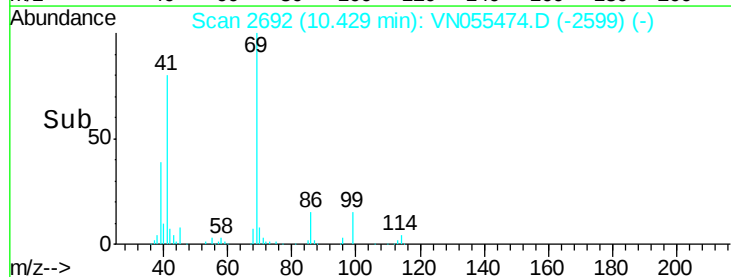
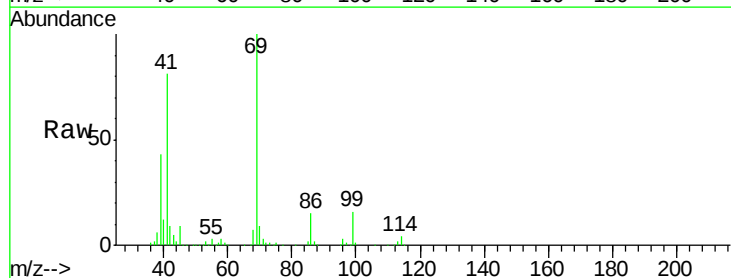
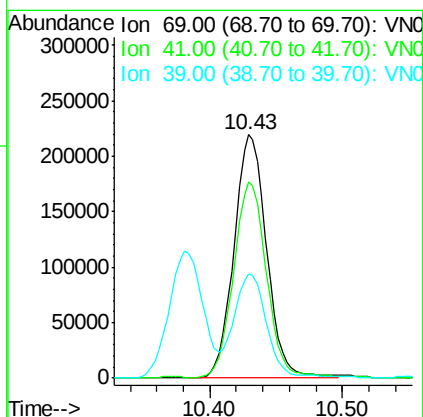
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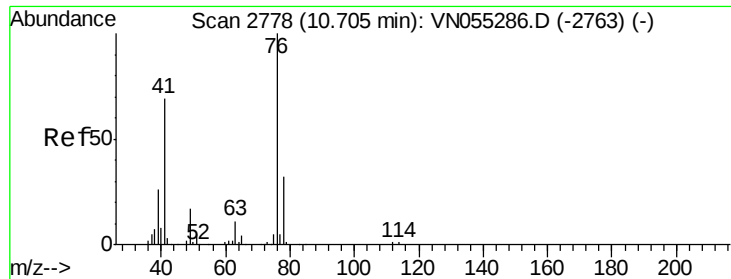
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 5/8/2019 10:16:52 AM



#56
 Ethyl methacrylate
 Concen: 61.330 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion:	69	Resp:	375410
Ion	Ratio	Lower	Upper
69	100		
41	80.7	62.7	94.1
39	42.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 55.440 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 76 Resp: 483673

Ion Ratio Lower Upper

76 100

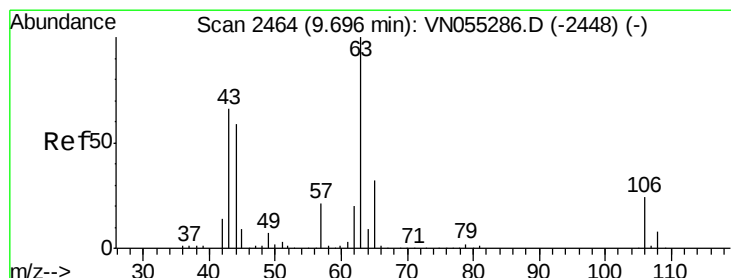
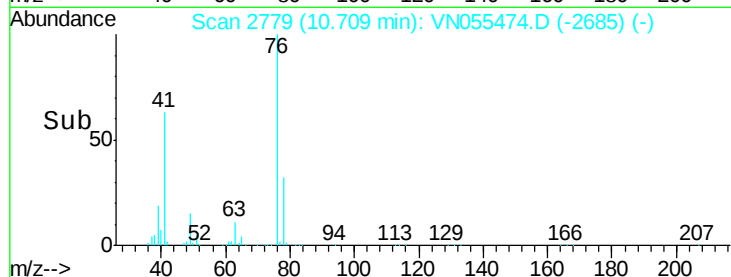
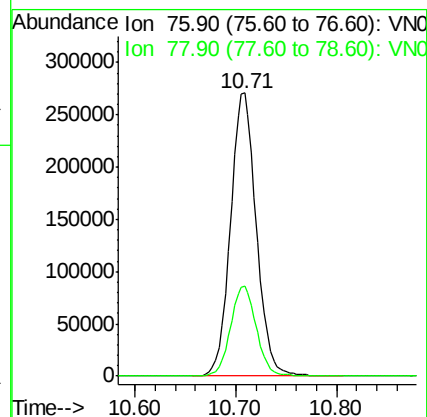
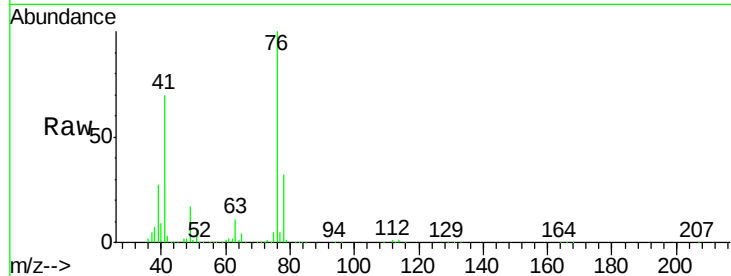
78 31.8 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 290.517 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055474.D

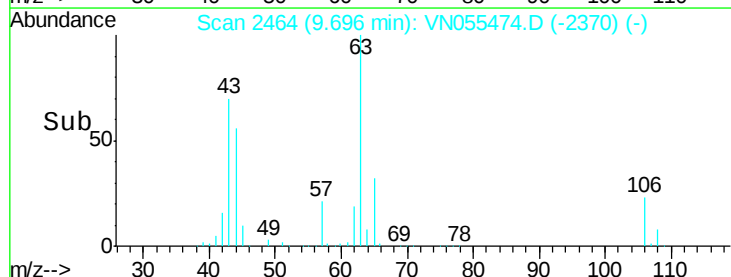
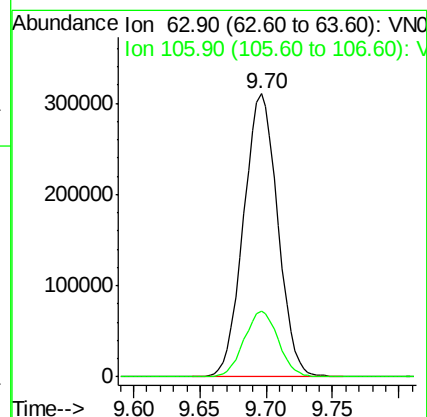
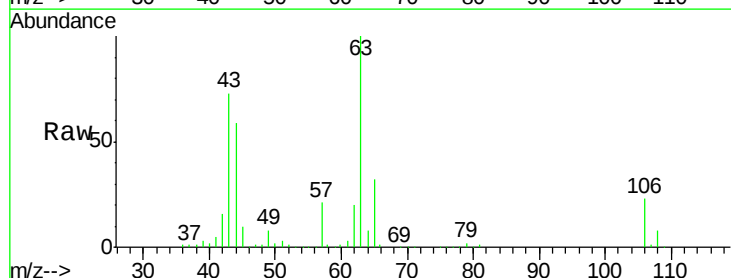
Acq: 8 May 2019 7:26

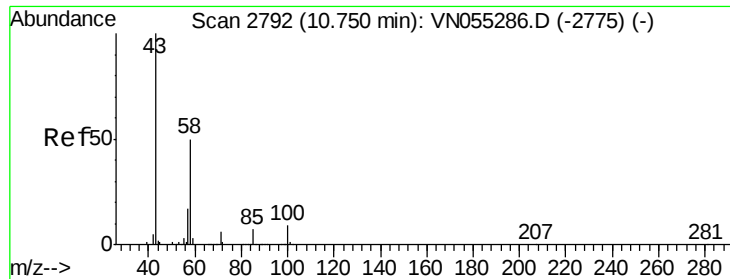
Tgt Ion: 63 Resp: 555910

Ion Ratio Lower Upper

63 100

106 23.4 19.0 28.4





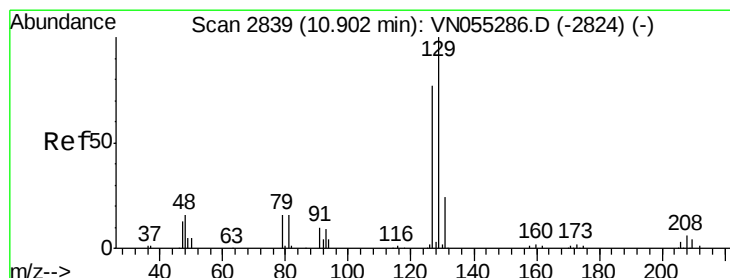
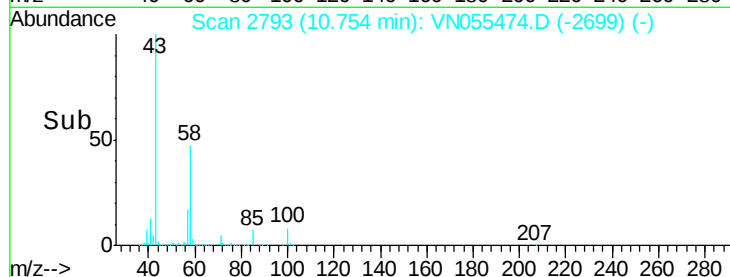
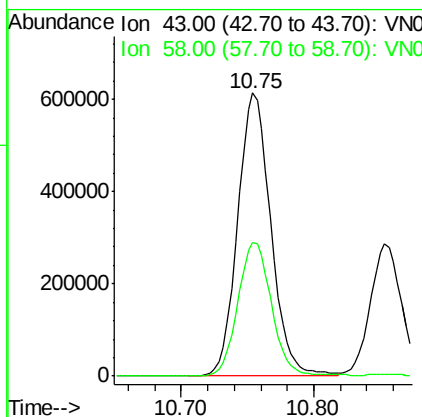
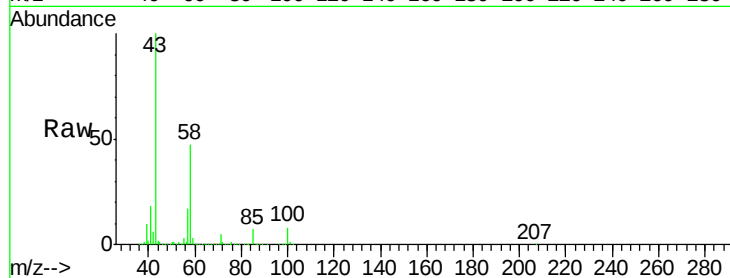
#59
2-Hexanone
Concen: 309.761 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 43 Resp: 1064144
Ion Ratio Lower Upper
43 100
58 48.1 24.9 74.6

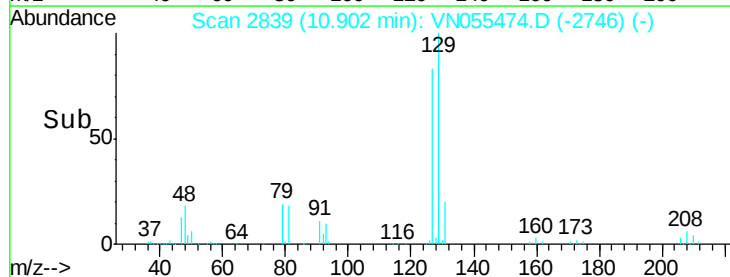
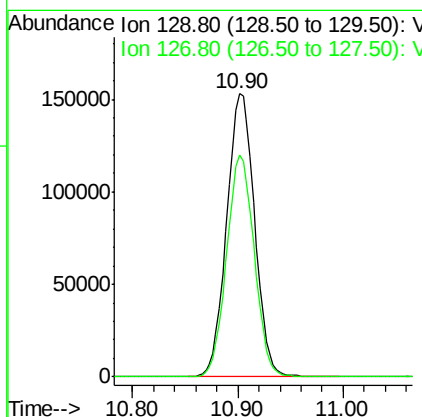
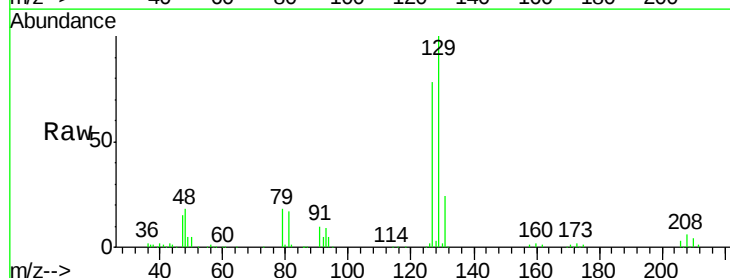
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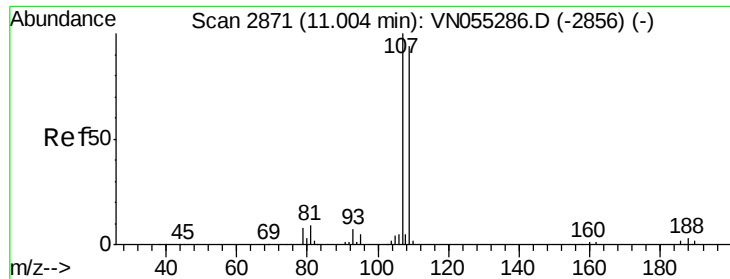
MMDadoda
5/8/2019 10:16:52 AM



#60
Dibromochloromethane
Concen: 55.127 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion: 129 Resp: 280197
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.5





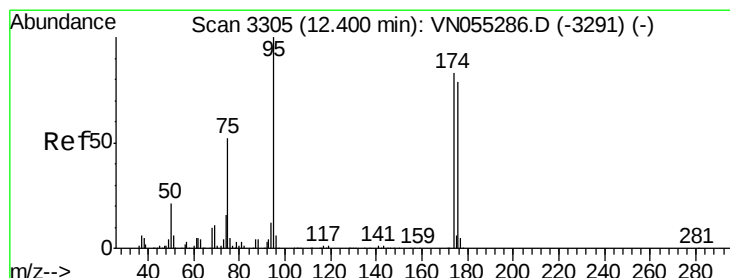
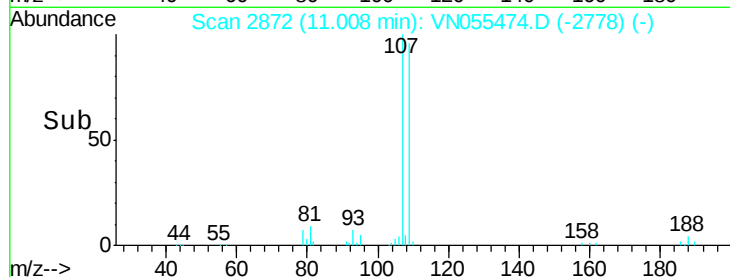
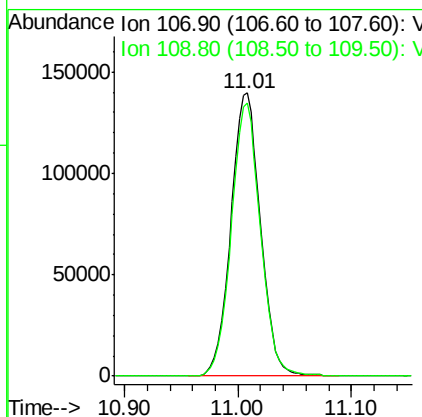
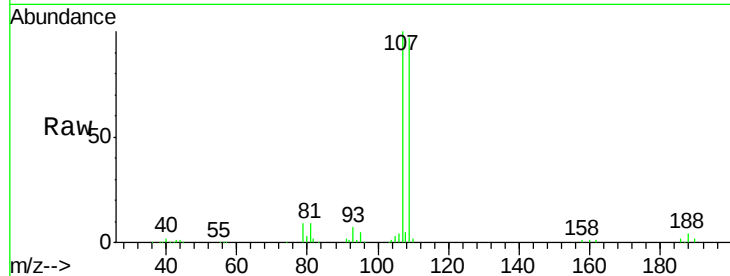
#61
 1,2-Dibromoethane
 Concen: 55.119 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	253363		
109	95.6	75.0	112.6	

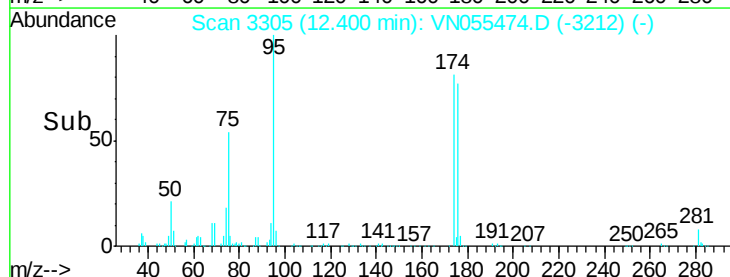
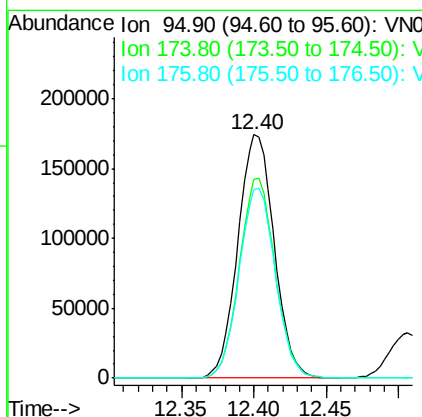
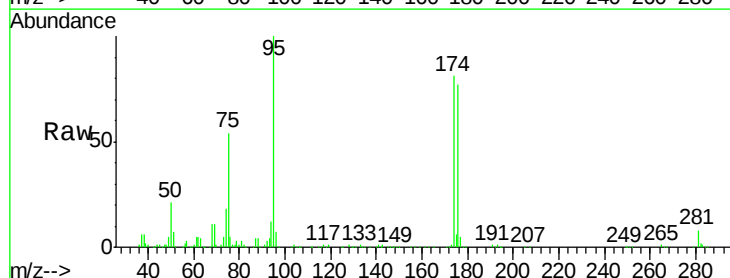
Manual Integrations
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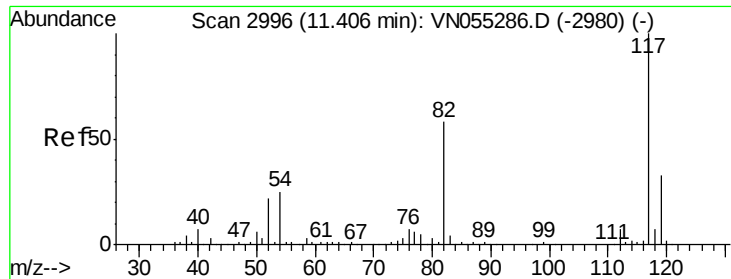
MMDadoda
 5/8/2019 10:16:52 AM



#62
 4-Bromofluorobenzene
 Concen: 49.599 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	303693		
174	80.7	0.0	166.6	
176	77.8	0.0	157.8	





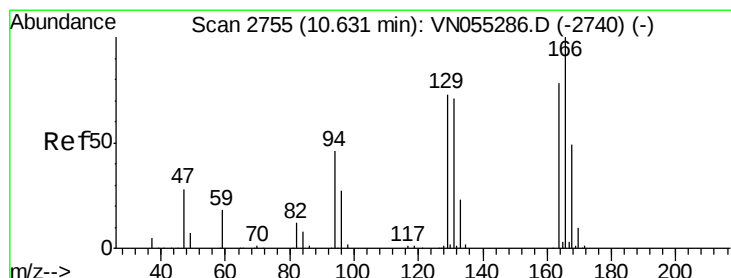
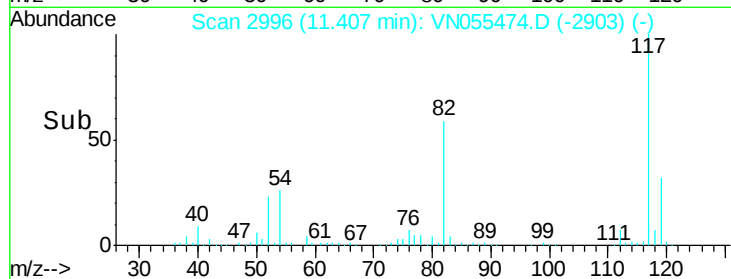
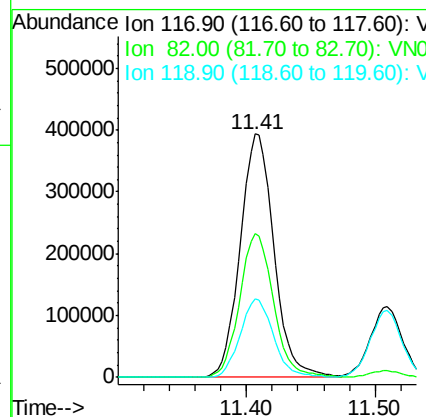
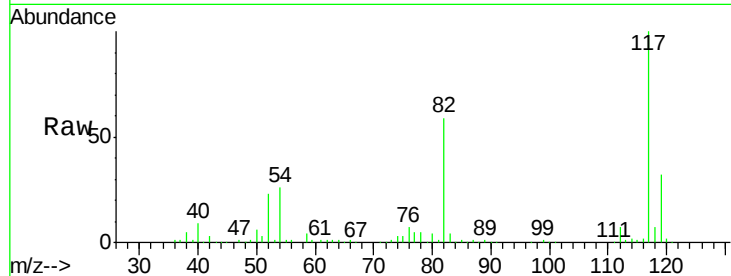
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	719306		
82	59.0	46.2	69.4	
119	32.4	26.6	40.0	

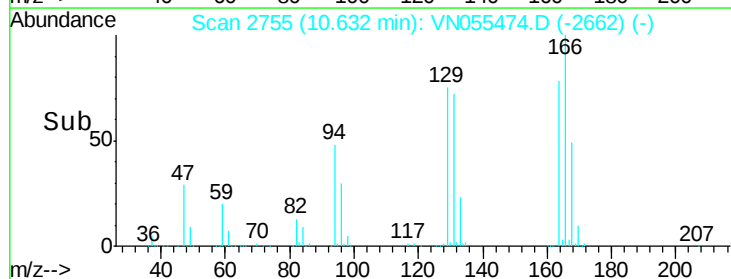
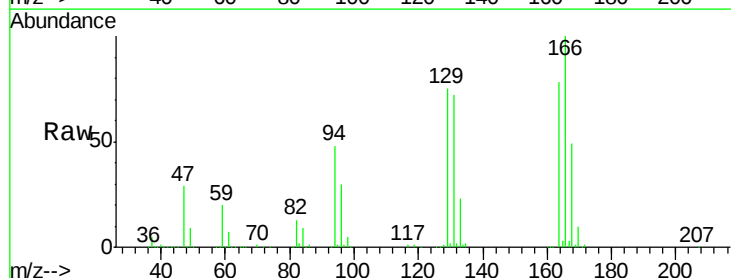
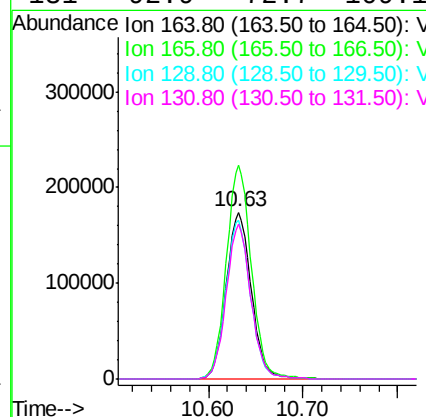
Manual Integrations
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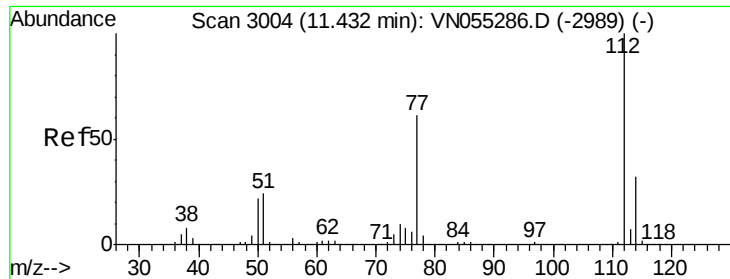
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#64
Tetrachloroethene
Concen: 54.781 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	322240		
166	128.3	102.3	153.5	
129	95.7	75.0	112.6	
131	92.9	72.7	109.1	





#65

Chlorobenzene

Concen: 51.460 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:112 Resp: 723705

Ion Ratio Lower Upper

112 100

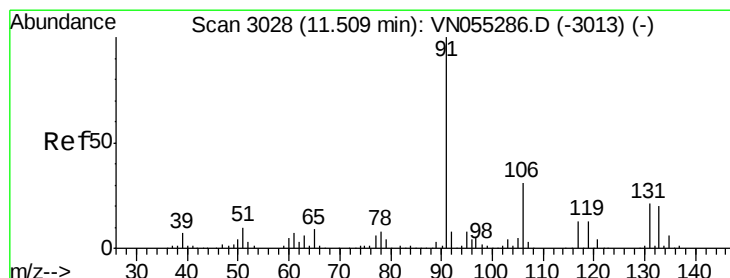
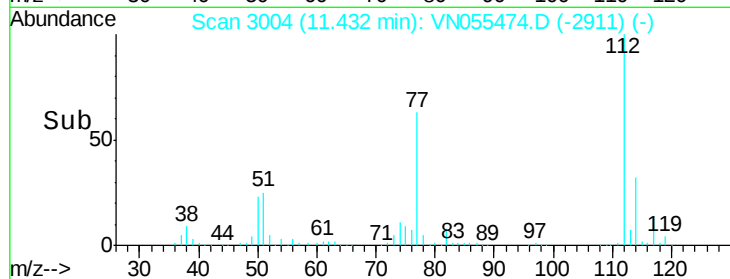
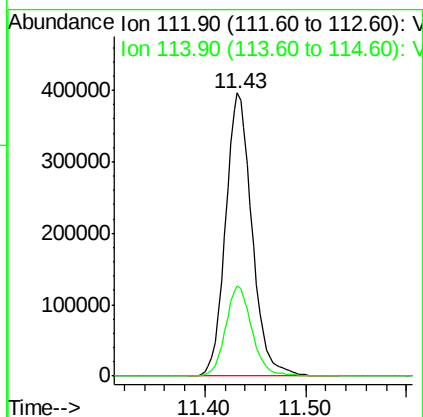
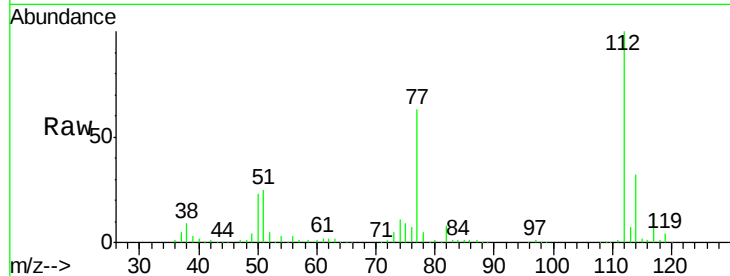
114 31.8 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.524 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

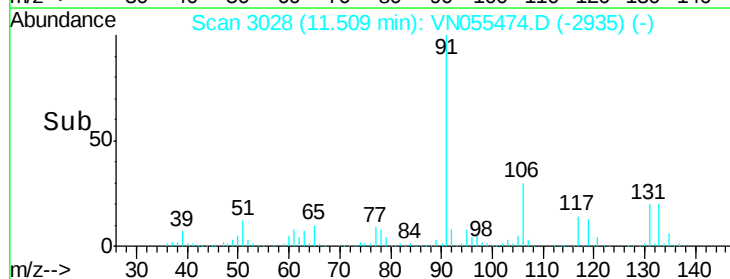
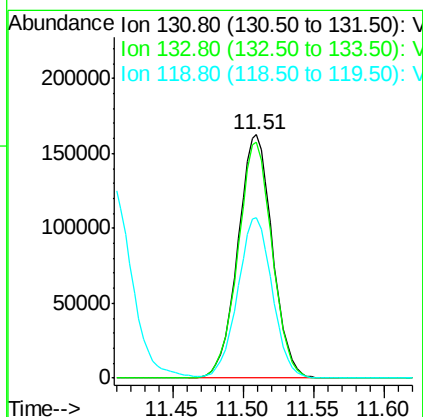
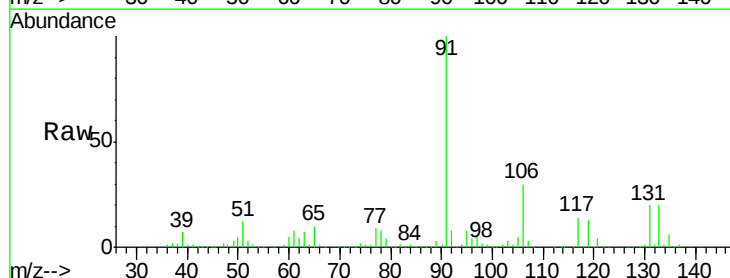
Tgt Ion:131 Resp: 278224

Ion Ratio Lower Upper

131 100

133 96.2 47.5 142.6

119 66.2 32.7 98.1





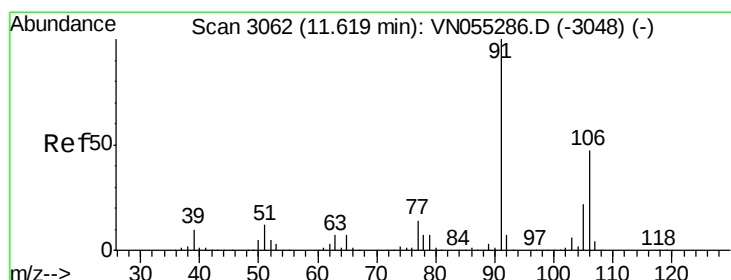
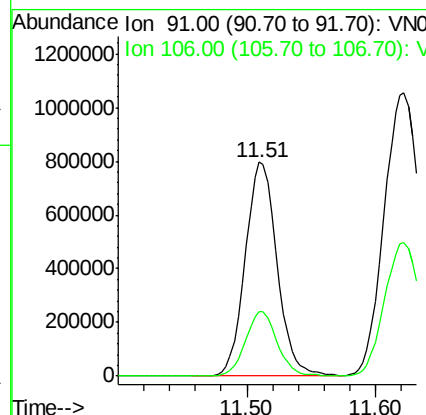
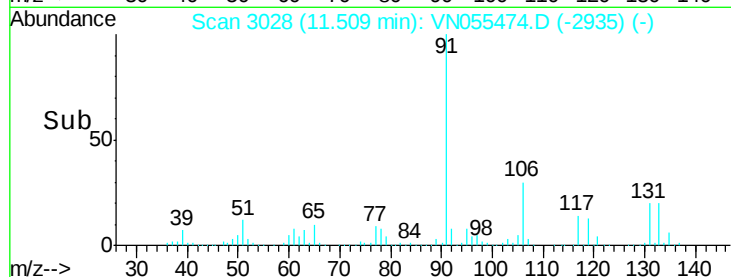
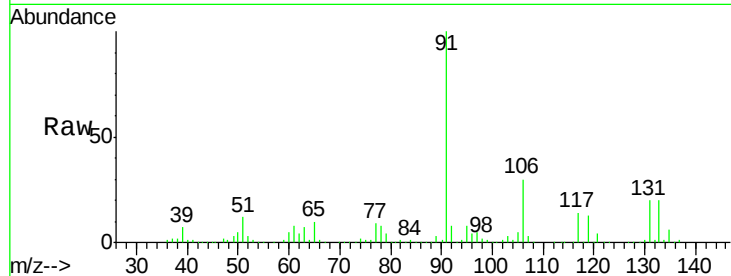
#67
Ethyl Benzene
Concen: 54.073 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion: 91 Resp: 1373212
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

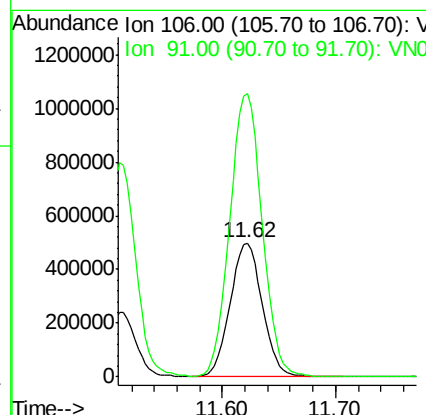
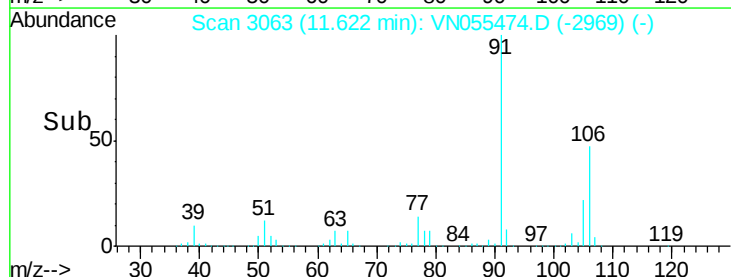
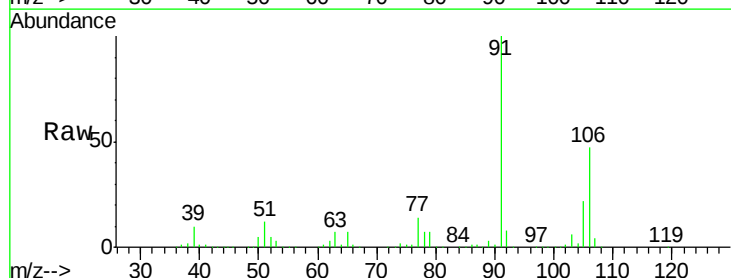
Manual Integrations
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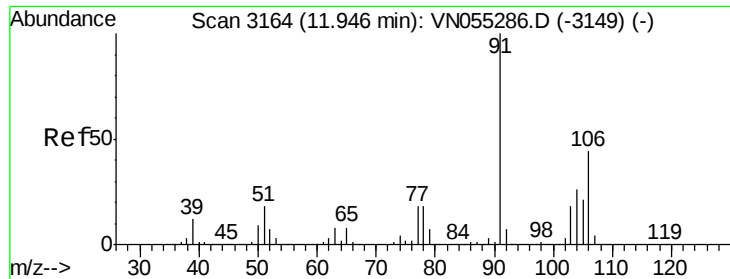
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#68
m/p-Xylenes
Concen: 108.557 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion: 106 Resp: 984053
Ion Ratio Lower Upper
106 100
91 213.5 169.5 254.3





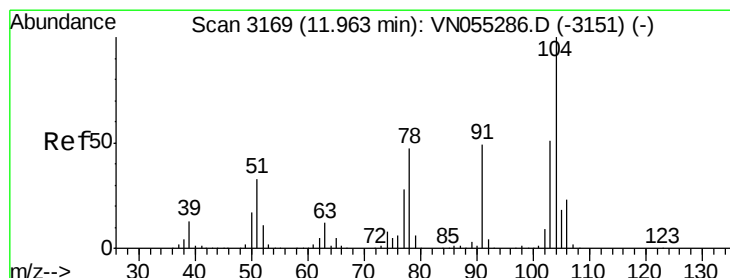
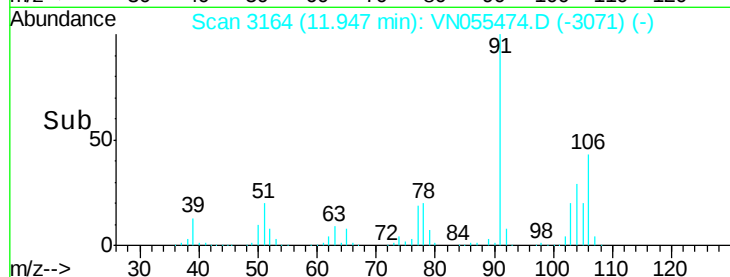
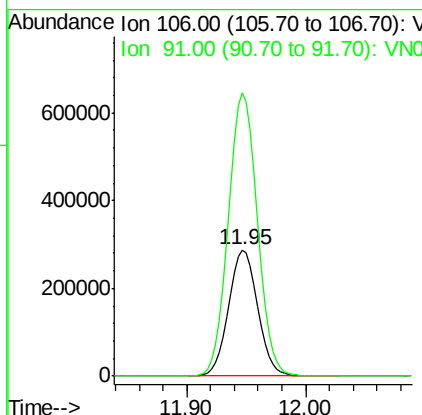
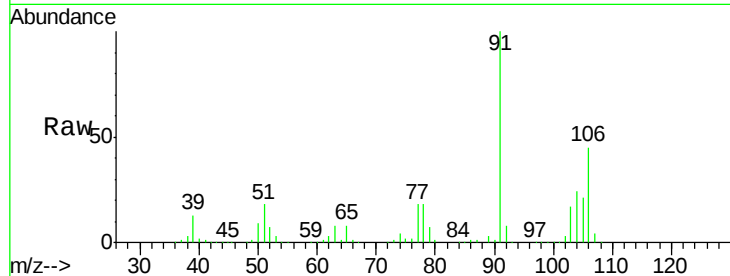
#69
o-Xylene
Concen: 54.060 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion:106 Resp: 485718
Ion Ratio Lower Upper
106 100
91 225.0 111.5 334.5

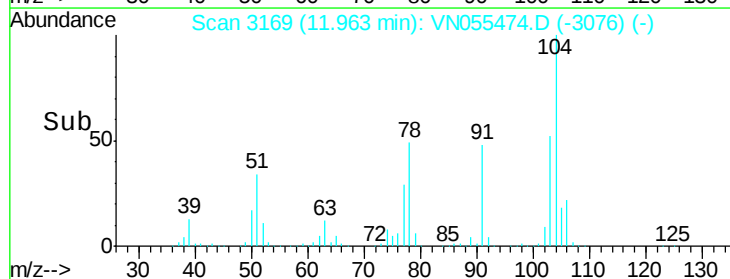
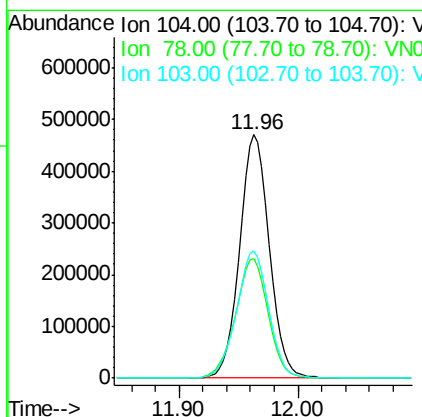
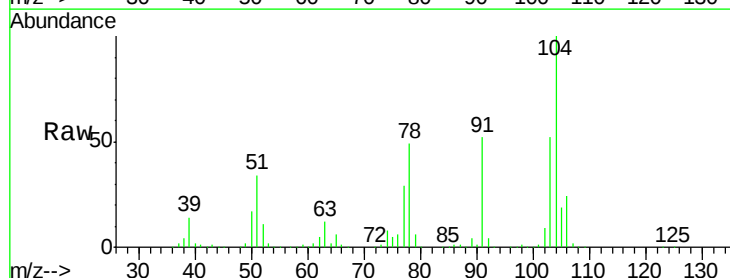
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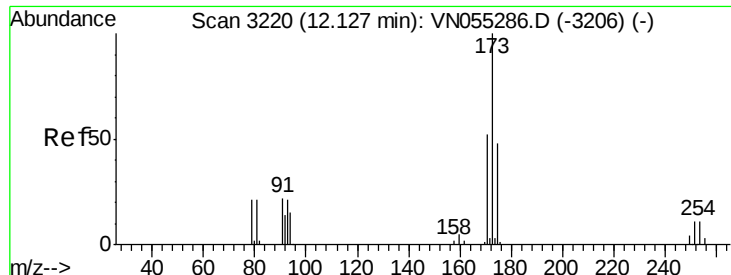
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#70
Styrene
Concen: 58.921 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion:104 Resp: 812830
Ion Ratio Lower Upper
104 100
78 53.9 42.2 63.2
103 56.4 44.6 67.0





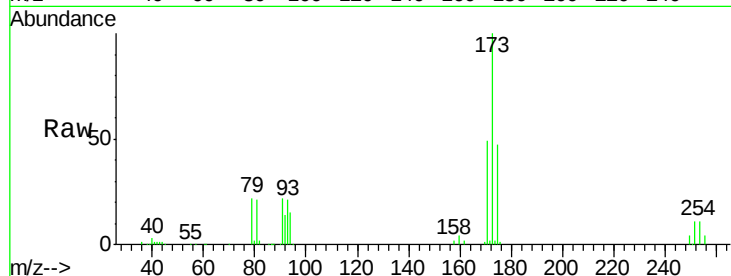
#71
Bromoform
Concen: 56.787 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampled :
P026-SS002-1218-01MSD

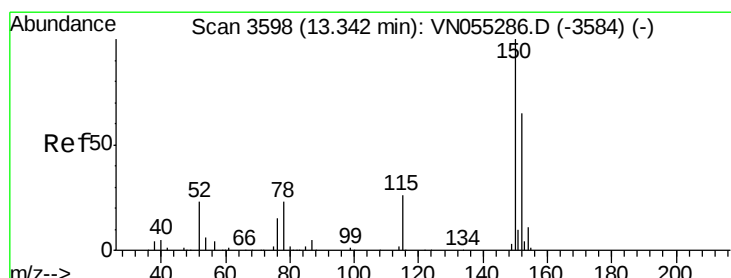
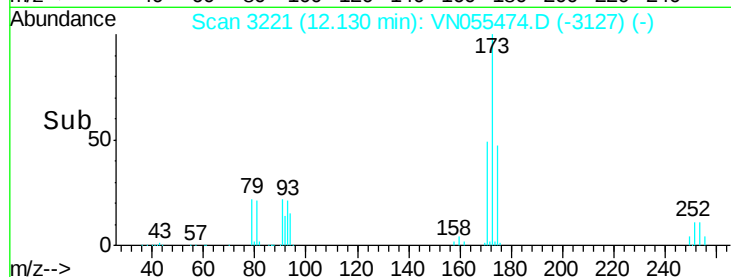
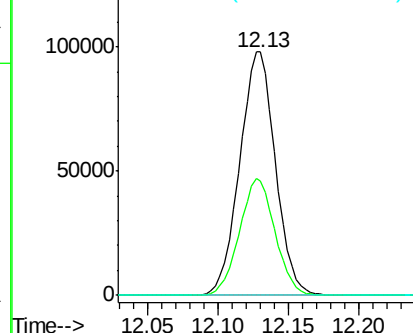
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.6	71.0
254	0.0	0.0	0.0

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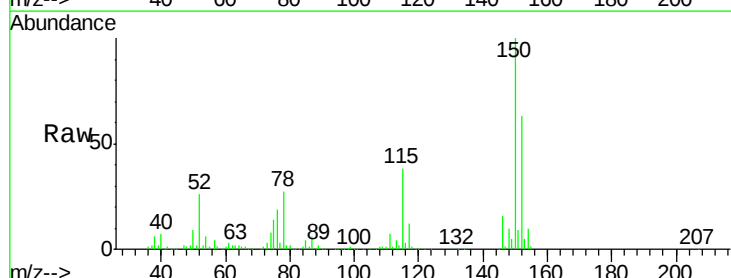


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

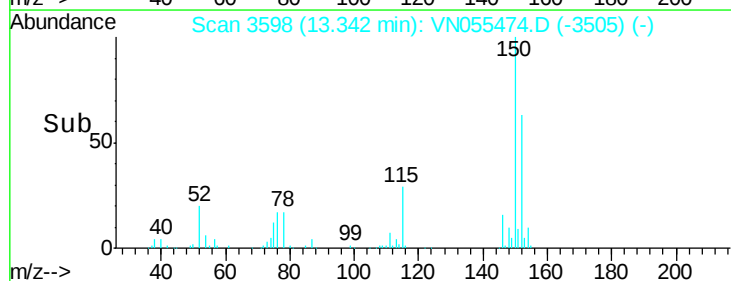
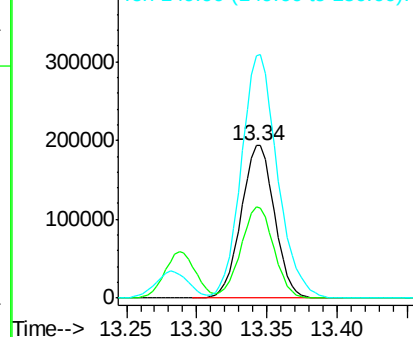


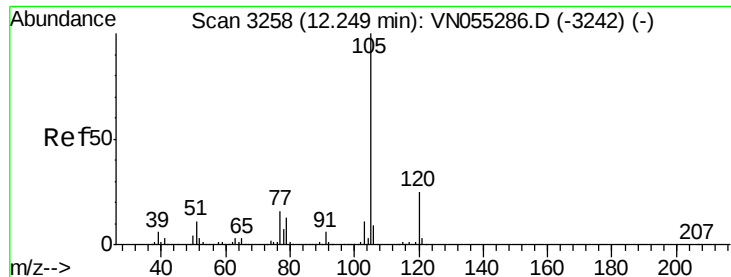
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.0	87.0
150	173.2	0.0	345.6



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





#73

Isopropylbenzene

Concen: 53.198 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 105 Resp: 1350809

Ion Ratio Lower Upper

105 100

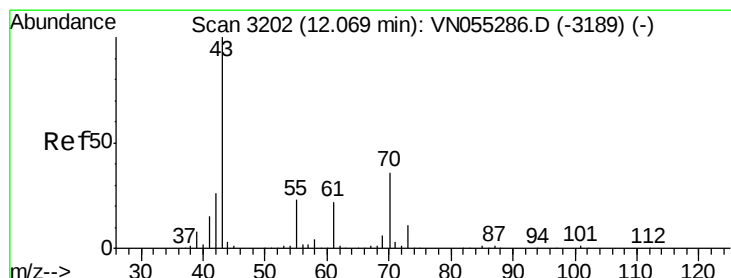
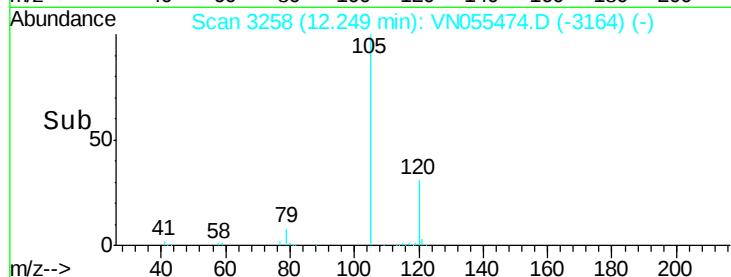
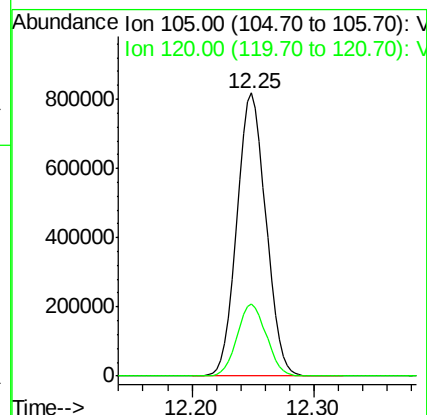
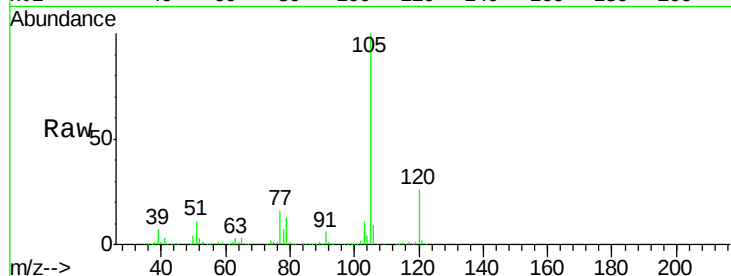
120 25.8 12.9 38.7

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#74

N-ethyl acetate

Concen: 60.183 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion: 43 Resp: 494771

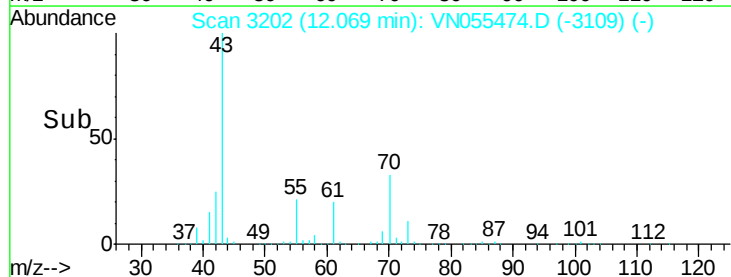
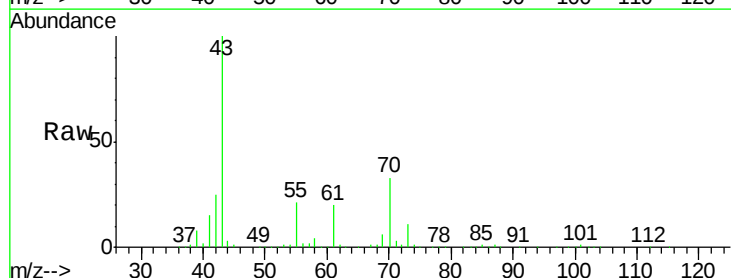
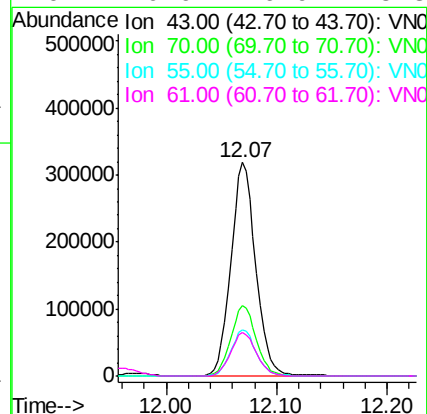
Ion Ratio Lower Upper

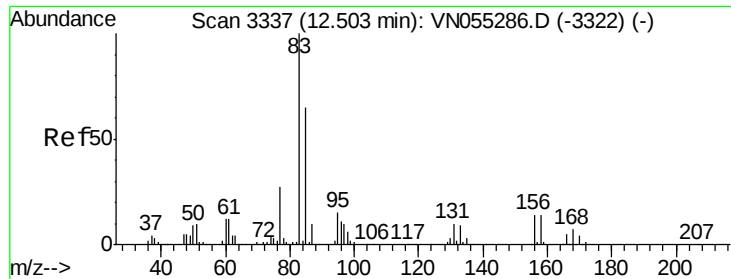
43 100

70 33.7 27.9 41.9

55 22.3 18.2 27.2

61 20.9 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.099 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

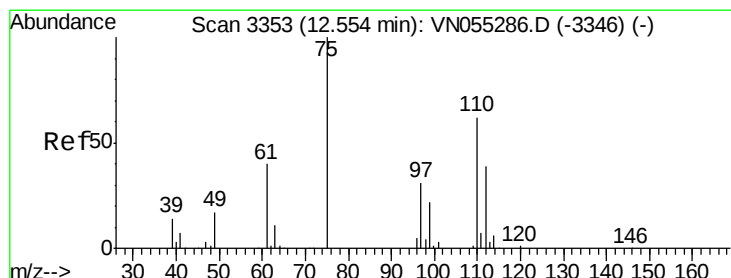
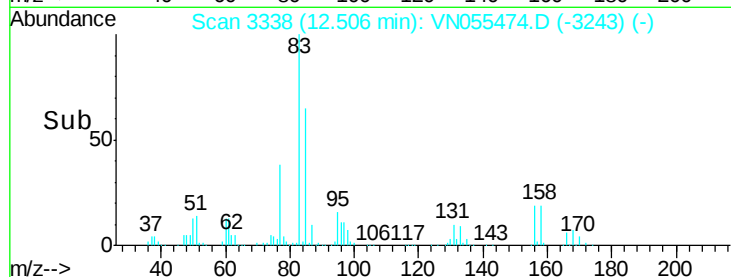
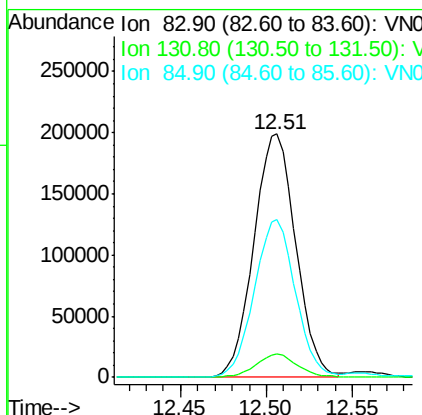
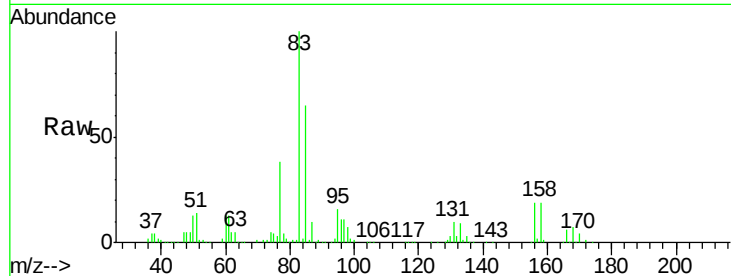
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	83	Resp:	335766
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.2
85	63.5	32.3	96.8

Manual Integrations
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5/8/2019 10:16:52 AM



#76

1,2,3-Trichloropropane

Concen: 47.260 ug/l m

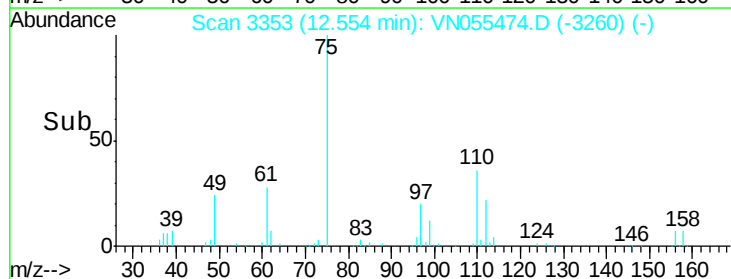
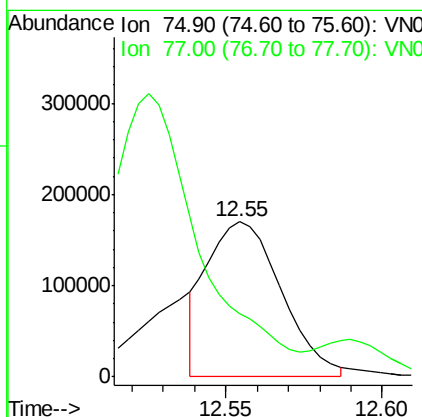
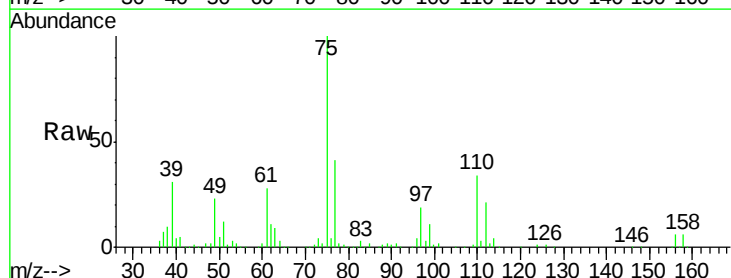
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion:	75	Resp:	282220
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.252 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

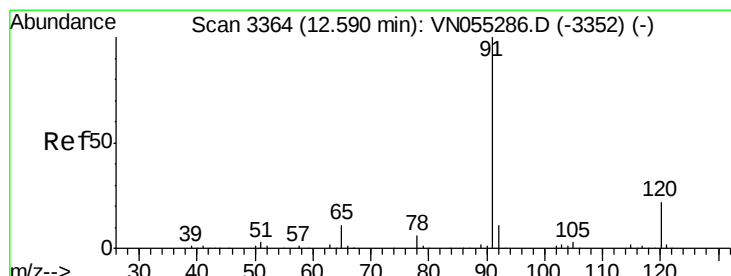
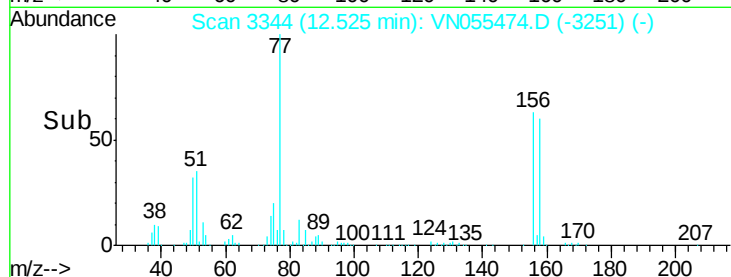
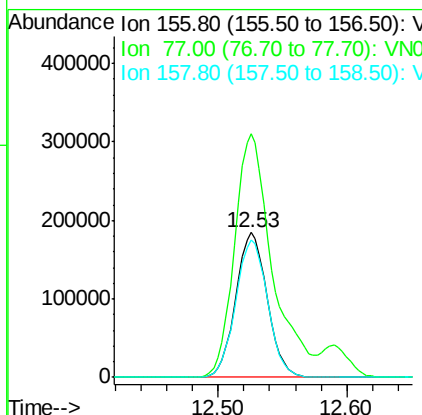
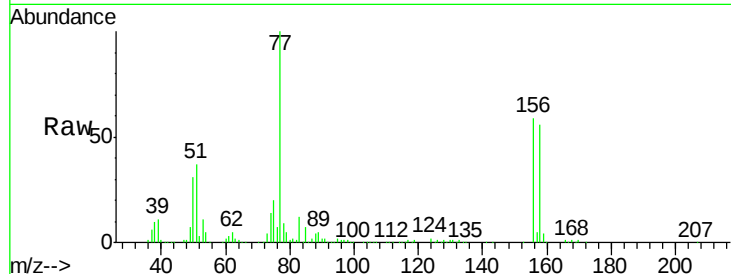
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	156	Resp:	312850
Ion Ratio	Lower	Upper	
156	100		
77	201.0	99.6	298.8
158	96.4	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 47.063 ug/l

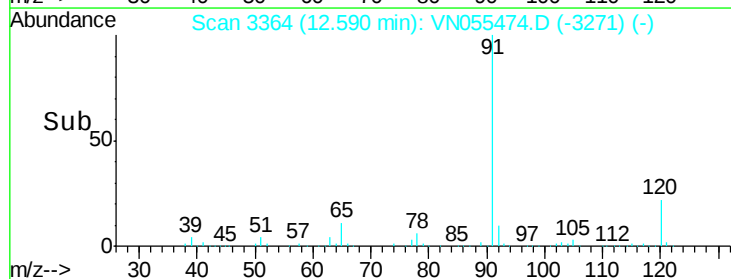
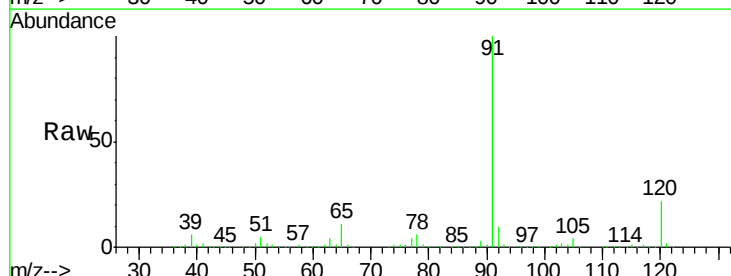
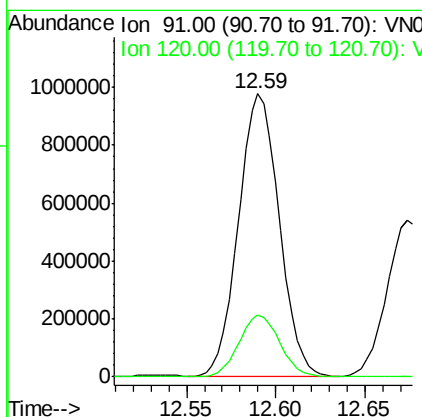
RT: 12.59 min Scan# 3364

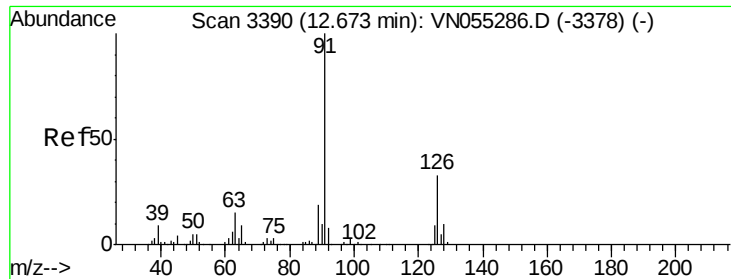
Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion:	91	Resp:	1548613
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 52.375 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 91 Resp: 907071

Ion Ratio Lower Upper

91 100

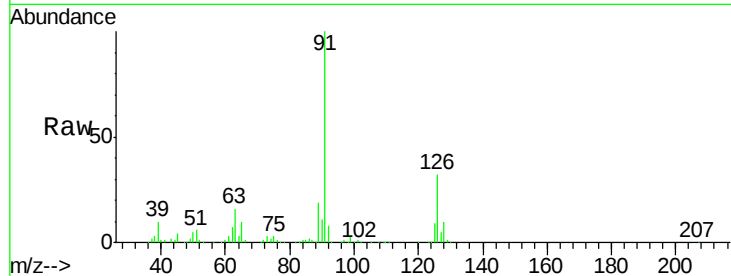
126 32.5 16.6 49.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055474.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055474.D (-3297) (-)

800000

600000

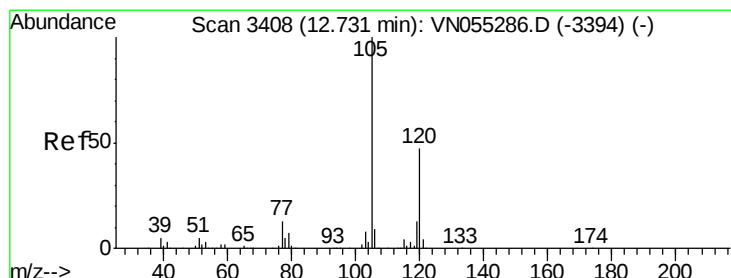
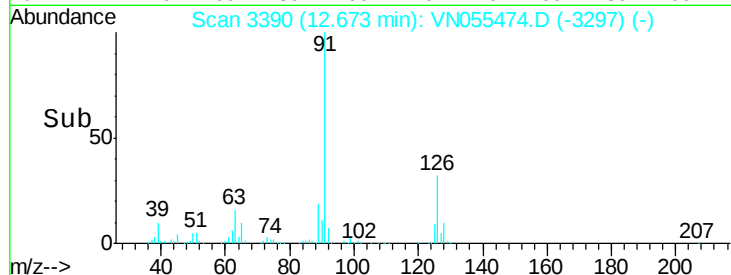
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.734 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055474.D

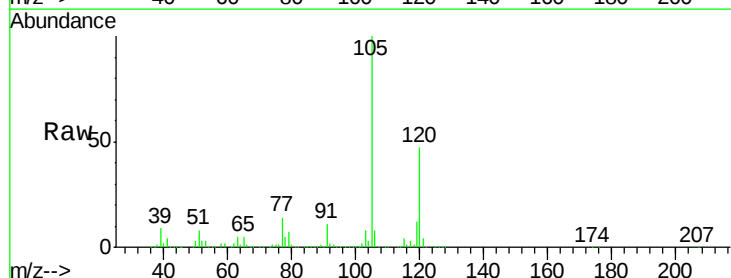
Acq: 8 May 2019 7:26

Tgt Ion:105 Resp: 1148542

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055474.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055474.D (-3315) (-)

800000

600000

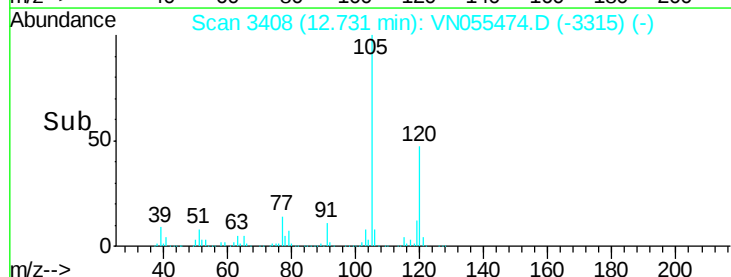
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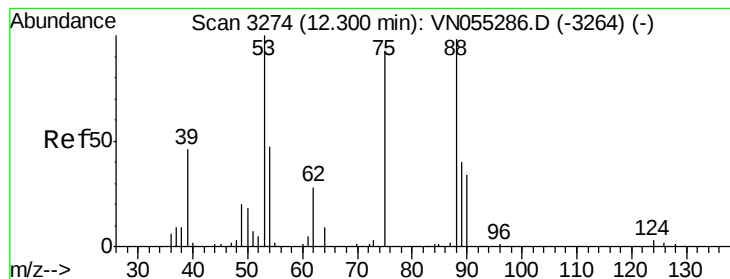
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 39.932 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion: 75 Resp: 67499

Ion Ratio Lower Upper

75 100

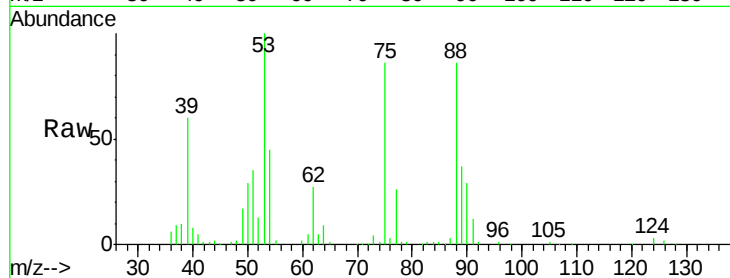
53 116.2 86.3 129.5

89 43.9 34.6 51.8

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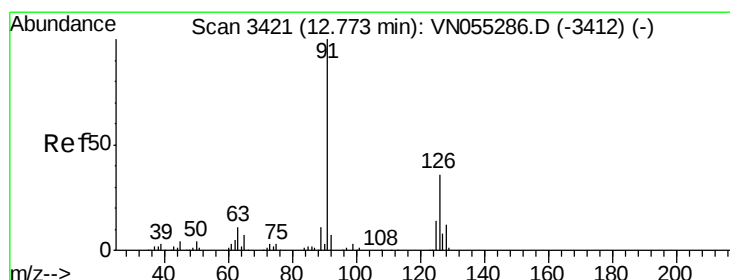
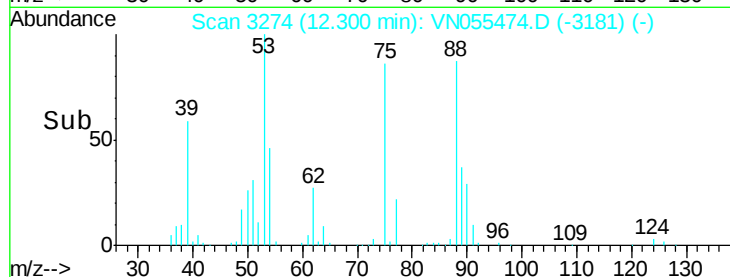
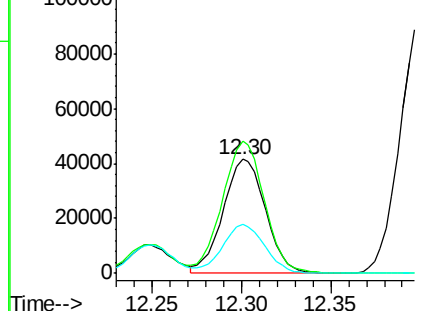
5/8/2019 10:16:52 AM



Abundance Ion 74.90 (74.60 to 75.60): VN055474.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055474.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055474.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 47.297 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055474.D

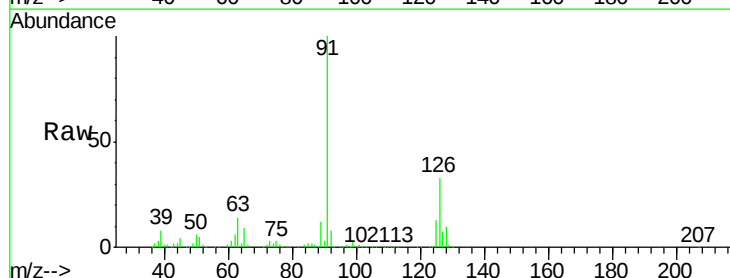
Acq: 8 May 2019 7:26

Tgt Ion: 91 Resp: 904903

Ion Ratio Lower Upper

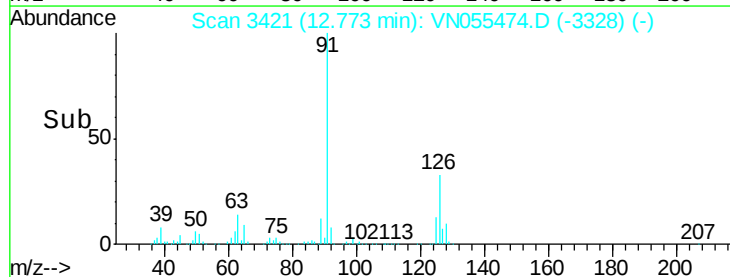
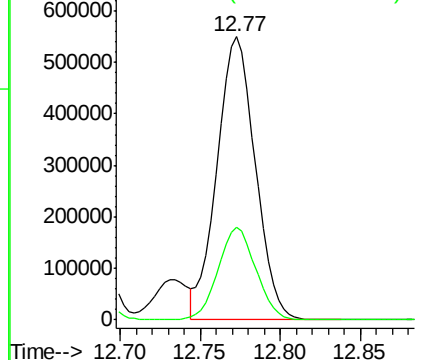
91 100

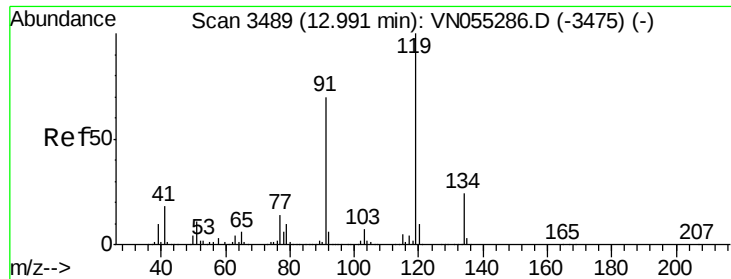
126 32.2 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055474.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN055474.D (-3328) (-)





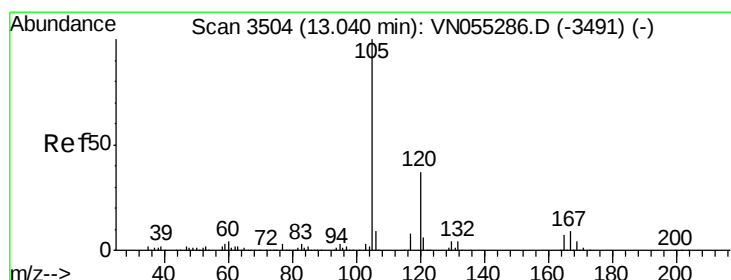
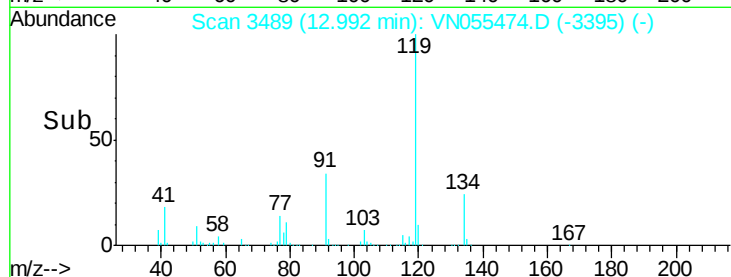
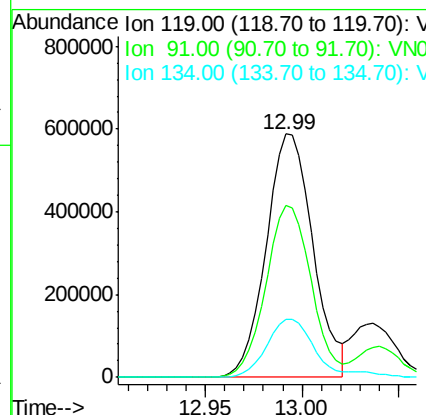
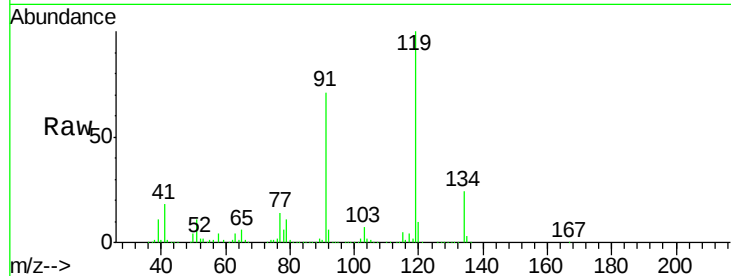
#83
tert-Butylbenzene
Concen: 55.976 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Instrument :
MSVOA_N
ClientSampleId :
P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.3	102.9
134	25.1	13.1	39.3

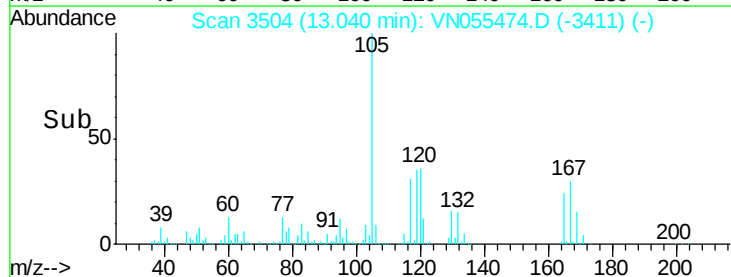
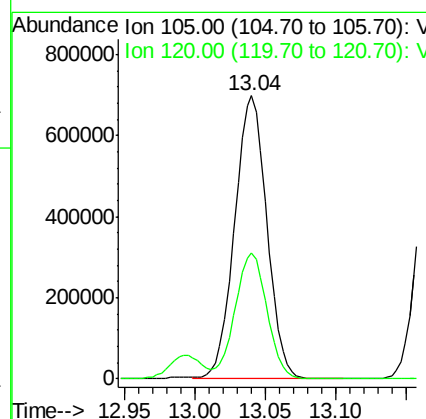
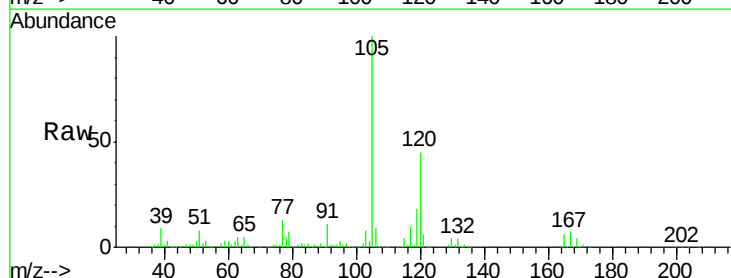
Manual Integrations
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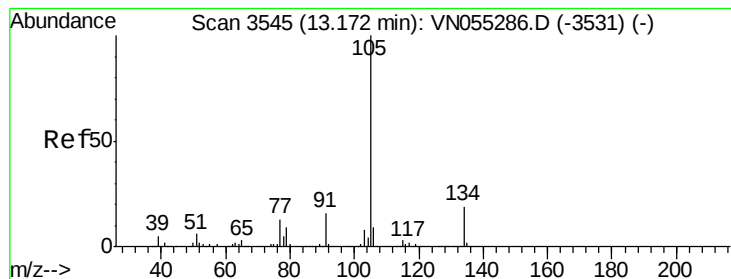
MMDadoda
5/8/2019 10:16:52 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.661 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055474.D
Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 48.623 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:105 Resp: 1327193

Ion Ratio Lower Upper

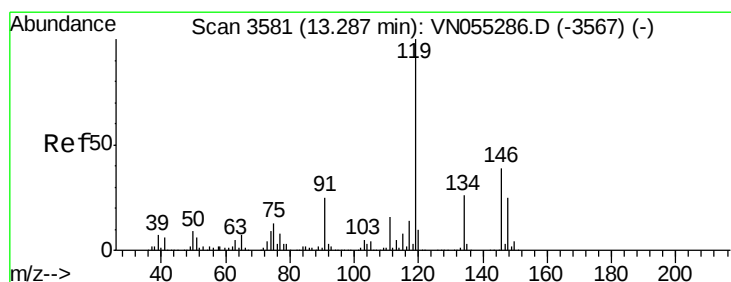
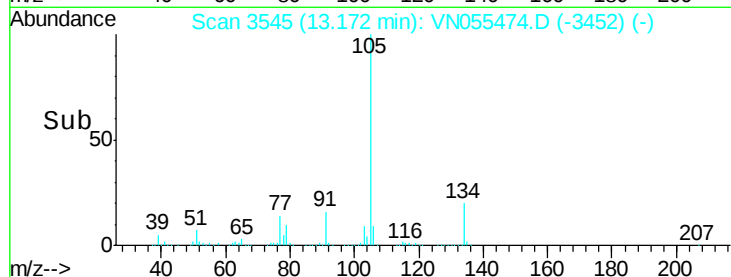
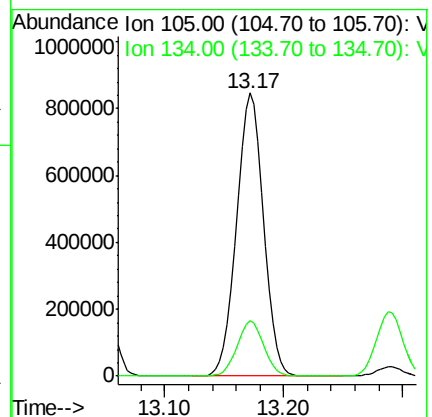
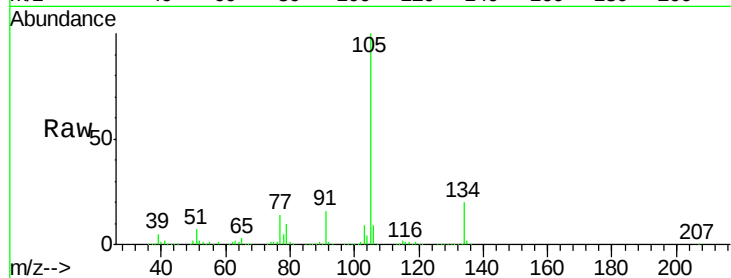
105 100

134 19.3 9.6 28.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.670 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

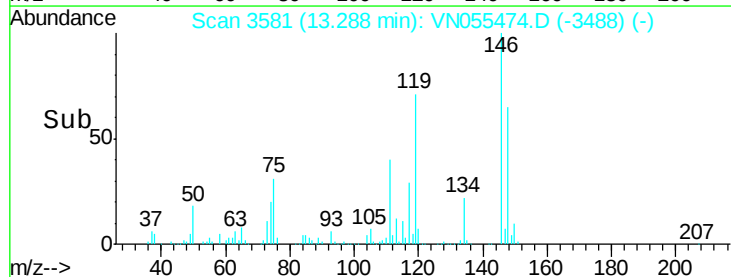
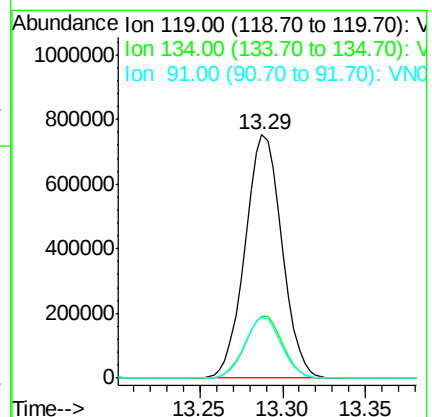
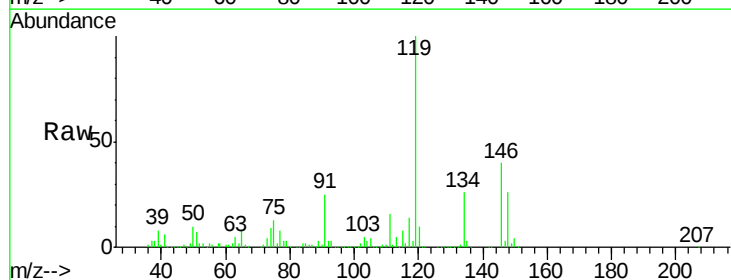
Tgt Ion:119 Resp: 1159202

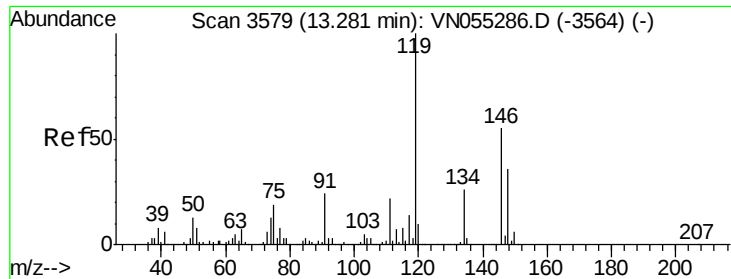
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 25.0 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 51.181 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

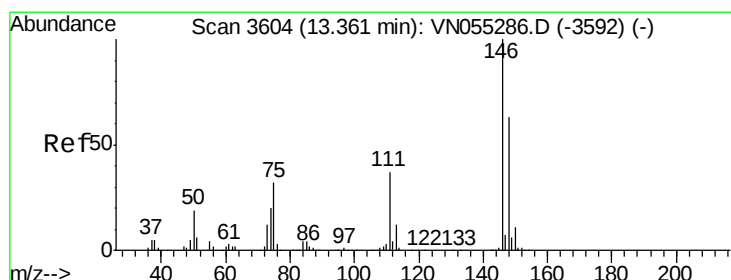
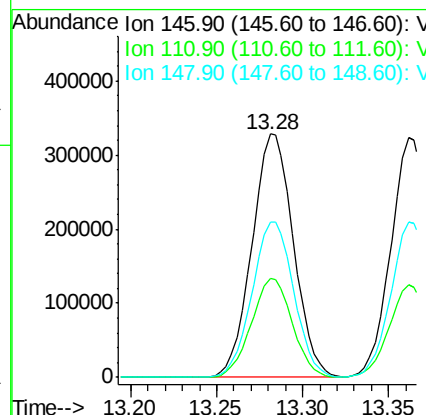
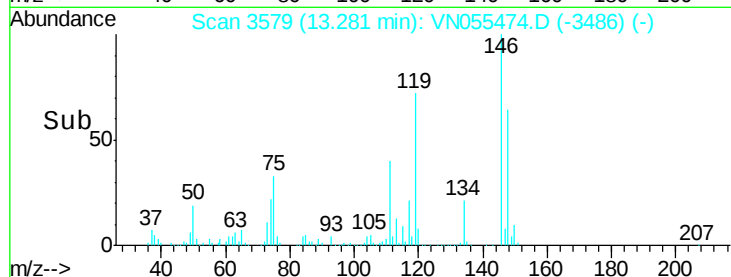
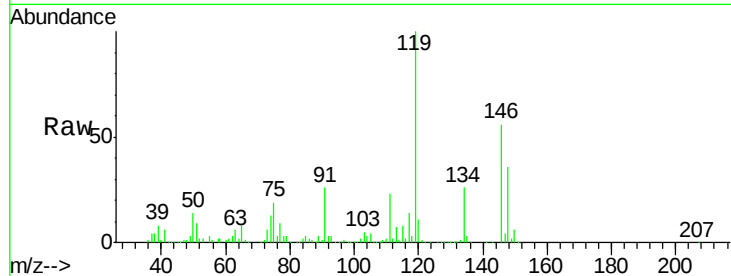
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	146	Resp:	548625
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.3	60.8
148	64.2	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.386 ug/l

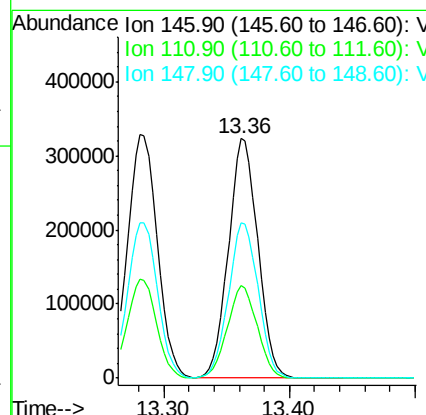
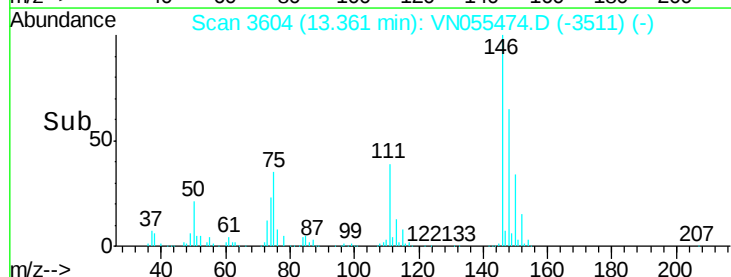
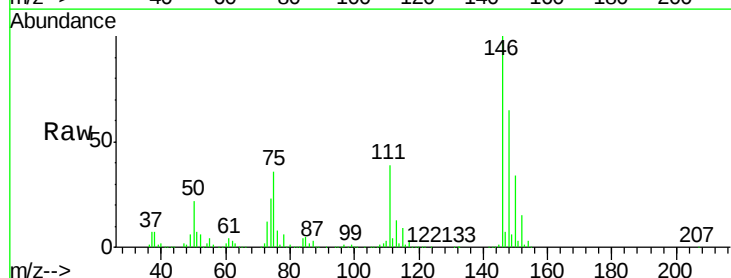
RT: 13.36 min Scan# 3604

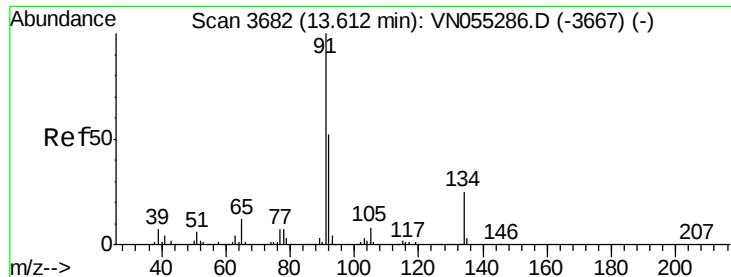
Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion:	146	Resp:	528814
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.5	58.5
148	65.3	32.5	97.4





#89

n-Butylbenzene

Concen: 62.052 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

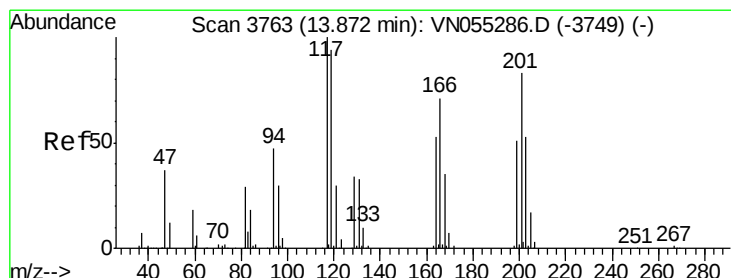
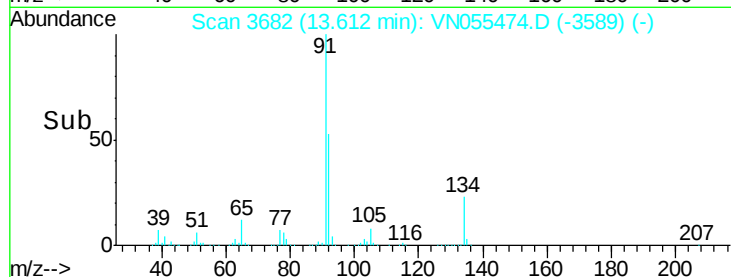
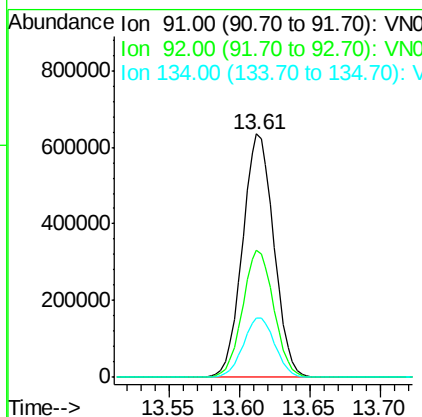
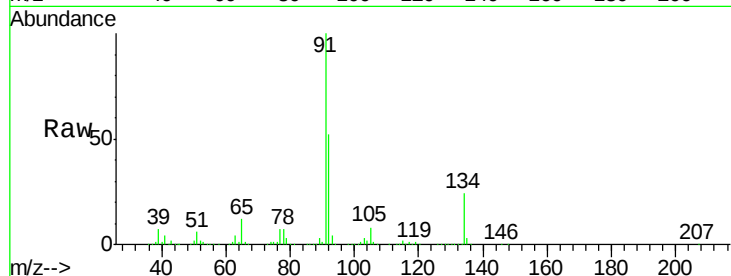
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	91	Resp:	989221
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.1	78.3
134	24.7	12.4	37.4

Manual Integrations
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#90

Hexachloroethane

Concen: 50.444 ug/l

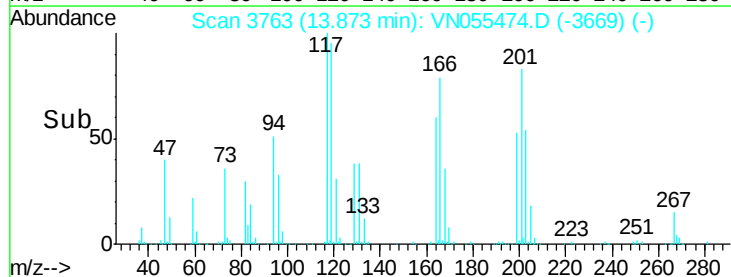
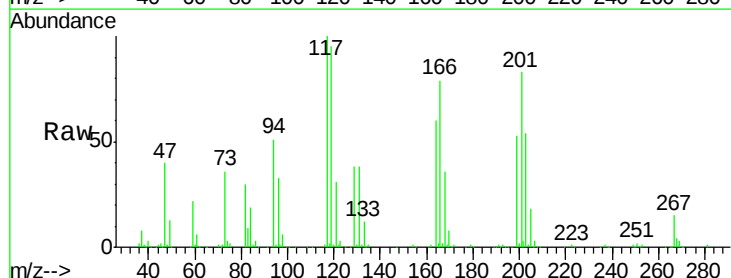
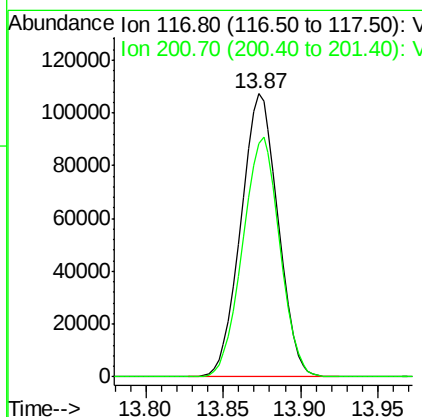
RT: 13.87 min Scan# 3763

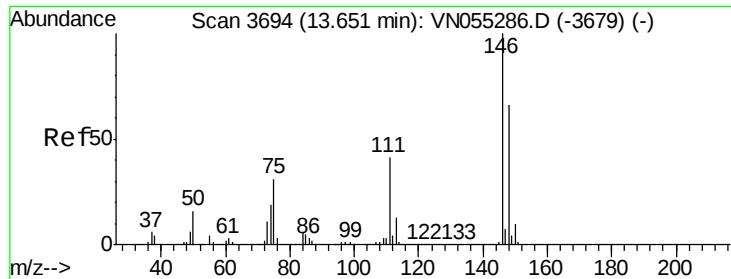
Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion:	117	Resp:	179141
Ion Ratio	Lower	Upper	
117	100		
201	84.9	41.9	125.8





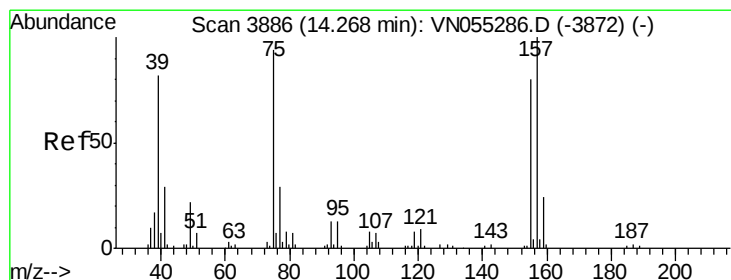
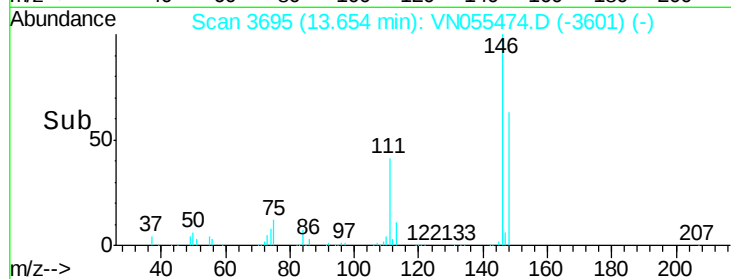
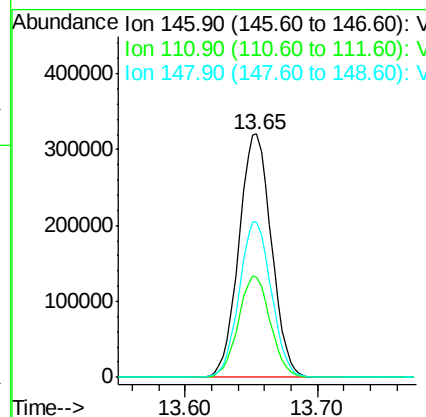
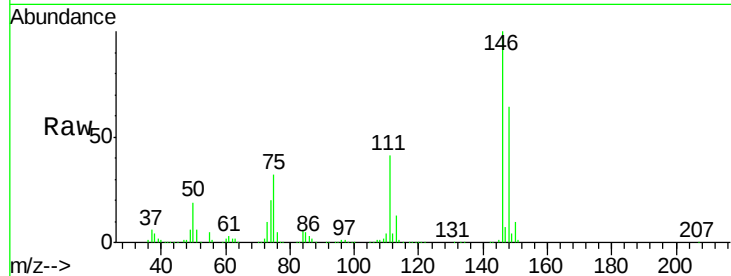
#91
 1,2-Dichlorobenzene
 Concen: 51.267 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	63.2	32.4	97.2

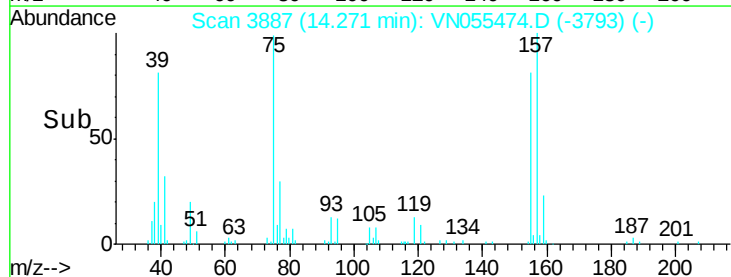
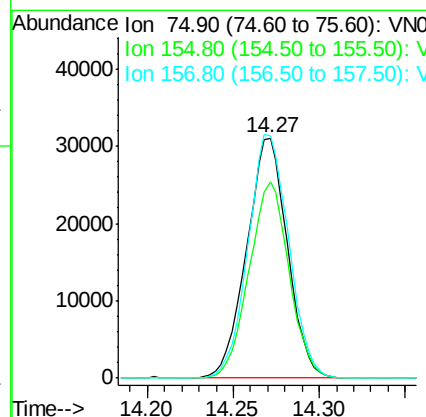
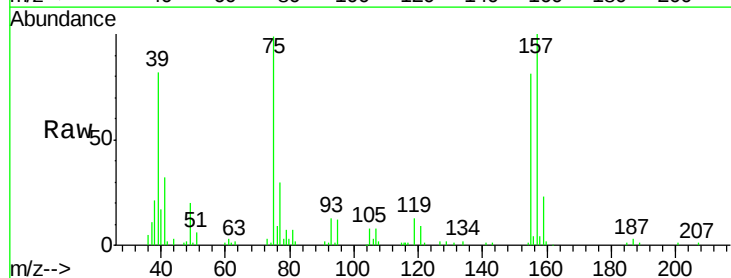
Manual Integrations
 APPROVED

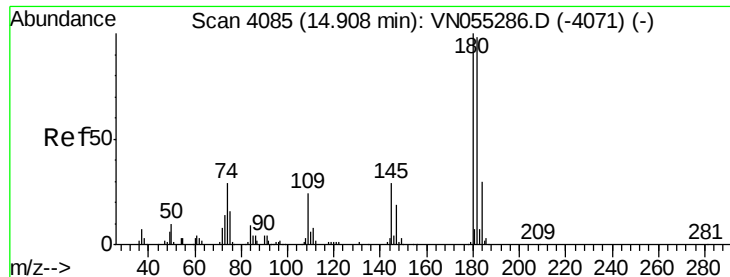
MMDadoda
 5/8/2019 10:16:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.574 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	41.5	124.6
157	101.0	54.0	162.2





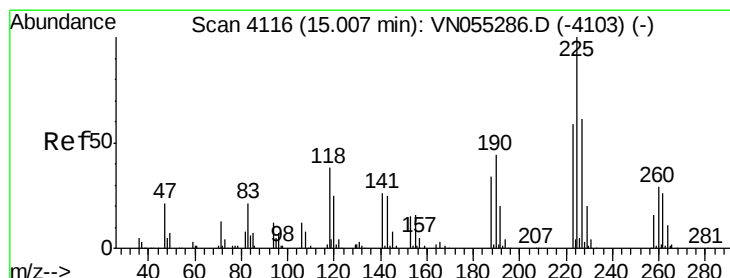
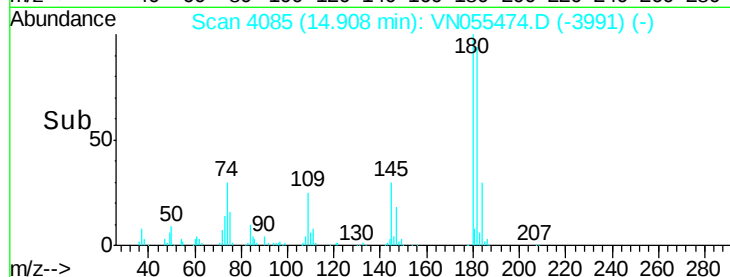
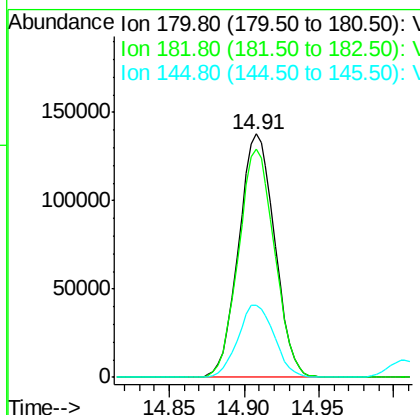
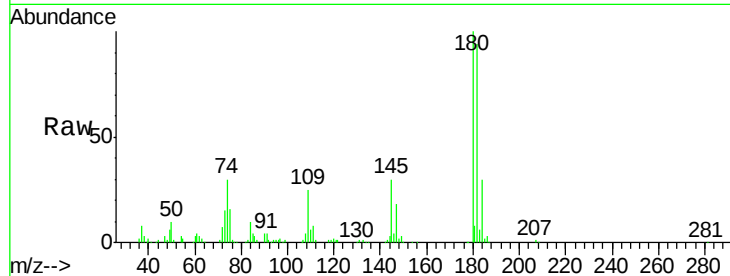
#93
 1,2,4-Trichlorobenzene
 Concen: 54.764 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Instrument :
 MSVOA_N
 ClientSampleId :
 P026-SS002-1218-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	230788		
182	93.9	48.3	144.9	
145	29.9	14.2	42.6	

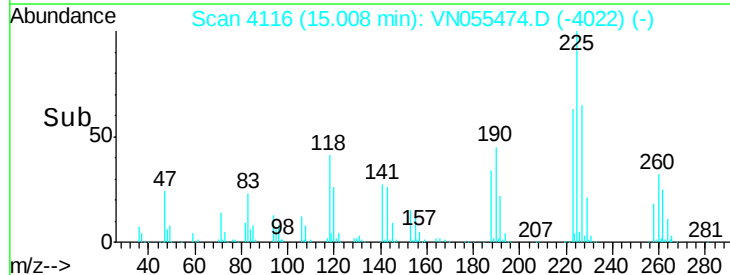
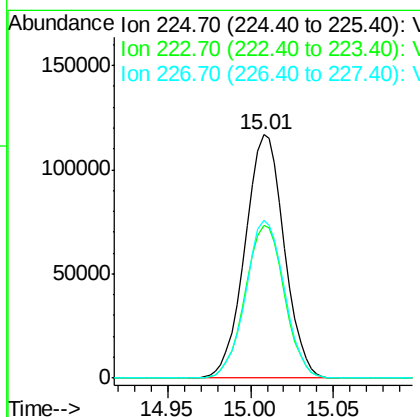
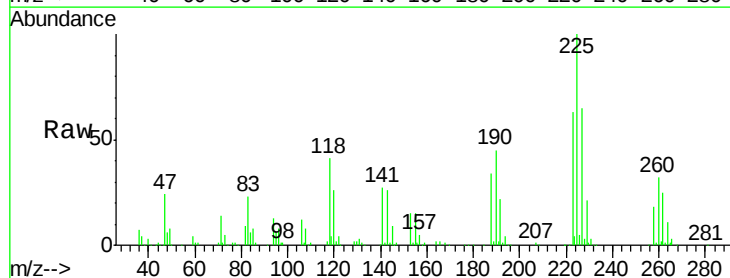
Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:52 AM



#94
 Hexachlorobutadiene
 Concen: 60.789 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055474.D
 Acq: 8 May 2019 7:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	192404		
223	63.0	30.3	90.8	
227	64.1	30.9	92.7	





#95

Naphthalene

Concen: 53.109 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Instrument :

MSVOA_N

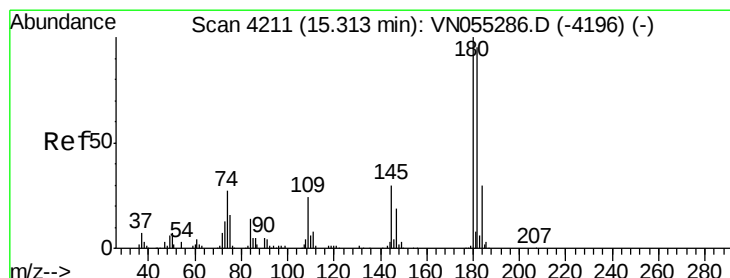
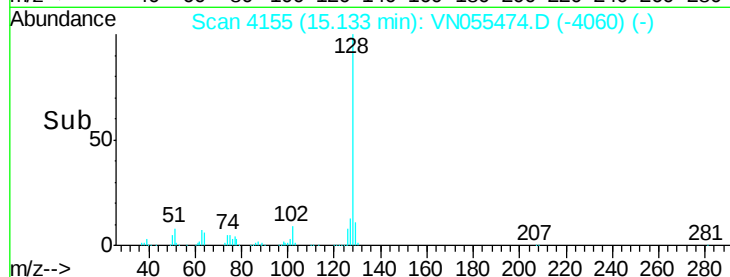
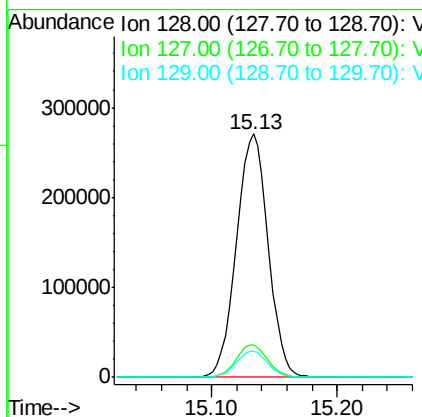
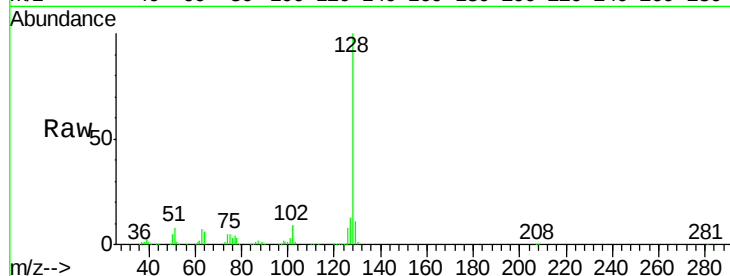
ClientSampleId :

P026-SS002-1218-01MSD

Tot Ion:	128	Resp:	474858
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:16:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.775 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055474.D

Acq: 8 May 2019 7:26

Tgt Ion:	180	Resp:	227019
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.3	144.9
145	32.2	15.2	45.6

